

FACILITY OPTIMIZATION SERVICES AGREEMENT

This Facility Optimization Services Agreement (this "Agreement") is made this ____ day of _____, 2019 between:

PARTIES

BATON ROUGE ENERGY PARTNERS, LLC ("BREP")
8555 United Plaza Blvd, Ste 201
Baton Rouge, LA 70809

And

THE STATE OF LOUISIANA (the "State")
[INSERT State ADDRESS]

(the State and BREP are collectively referred to as the "Parties" and singularly referred to as a "Party").

RECITALS

WHEREAS, the State and LA Energy Partners, LLC, a Delaware limited liability company and sole member of BREP ("LAEP"), have entered into a Cooperative Endeavor Agreement of even date herewith (the "CEA"), which establishes a framework pursuant to which the State and LAEP may collaborate on conservation measures for State-owned or -controlled facilities through the provision of work and services by LAEP, directly or indirectly through Project SPEs;

WHEREAS, the OSB is a State Entity and maintains and operates the OSB Buildings with the mission of providing for the operations and maintenance within and around all OSB Buildings;

WHEREAS, the State desires to retain BREP to perform the Work specified in Schedule 1-A hereto ("**Energy Optimization Improvements**") at the OSB Buildings identified on Schedule 2 ("**Covered Facilities**"); and

WHEREAS, the State is authorized and empowered under Applicable Legal Requirements to enter into this Agreement and has taken all necessary action under Applicable Legal Requirements to enter into this Agreement.

NOW, THEREFORE, in consideration of the mutual promises set forth herein, the Parties agree as follows:

AGREEMENT

1. **DEFINED TERMS.** Capitalized terms used in this Agreement that are not otherwise defined in this Agreement shall have the meanings ascribed to them in **Exhibit "A"** to the CEA. Defined terms will be given their common and ordinary meanings when they appear uncapitalized in the text. Undefined terms will be given their common and ordinary meanings pursuant to custom and industry parlance. Notwithstanding the foregoing, any terms defined in this Agreement that conflict with the definition provided in **Exhibit "A"** of the CEA shall have the meanings provided herein. BREP is the Project SPE for the Phase I Project as such term and concept are used and referenced in the CEA. BREP's Financier for the Phase I Project is identified in Section 14.1 of the Shaw Center Thermal Services Agreement.
2. **SCOPE OF THE AGREEMENT.**
 - (a) BREP shall perform the Work set forth in Schedule 1-A.

- (b) After the Work is Substantially Complete (as defined below) and the Certificate of Substantial Completion is executed by the State and BREP, BREP shall provide the M & V Services set forth in **Exhibit "K"** to the CEA with respect to the Work performed on the Covered Facilities (the "**Services**").
- (c) The State shall make payments to BREP for the Work and the Services in accordance with Schedule 3 (the "**FOSA Charge**"). SUBJECT TO SECTION 24 AND EXCEPT AS SET FORTH IN SUBSECTION (D), THE STATE AGREES THAT FOR ALL PERIODS IT WILL PAY THE ENTIRE FOSA CHARGE, WHICH OBLIGATION WILL CONTINUE WITHOUT INTERRUPTION FOR THE TERM OF THIS AGREEMENT WITHOUT EXCEPTION AND THAT IT HAS AN ABSOLUTE AND UNCONDITIONAL OBLIGATION TO PAY THE ENTIRE FOSA CHARGE FOR EACH PERIOD IN ACCORDANCE WITH THE PROVISIONS OF THIS AGREEMENT. THE STATE AGREES THAT IT IS NOT ENTITLED TO WITHHOLD, OFFSET, ABATE OR REDUCE ANY PAYMENT FOR SERVICES UNDER THIS AGREEMENT IN AN AMOUNT LESS THAN THE FOSA CHARGE. THE STATE FURTHER AGREES THAT IT CONTINUES TO BE OBLIGATED TO PAY THE ENTIRE FOSA CHARGE NOTWITHSTANDING THAT, DURING THE TERM, THE STATE ELECTS NOT TO HAVE BREP PROVIDE ANY WORK OR SERVICES UNDER THIS AGREEMENT, THE STATE REDUCES OR CEASES SOME OR ALL OF ITS OPERATIONS AT A COVERED FACILITY, A COVERED FACILITY SUFFERS OR INCURS DAMAGE OR CASUALTY OR DESTRUCTION OF ALL OR ANY PORTION THEREOF OR SUFFERS OR INCURS ANY OTHER MATTER OR INCIDENT OR TAKES ANY ACTION AFFECTING SOME OR ALL OF ITS OPERATIONS. PAYMENTS OF THE FOSA CHARGE IN THE AFOREMENTIONED CIRCUMSTANCES SHALL NOT BE DEEMED AN OVERPAYMENT FOR THE PURPOSES OF LA. R.S. 39:72(B). THE STATE SPECIFICALLY WAIVES ANY RIGHT OF WITHHOLDING, SET-OFF, ABATEMENT OR REDUCTION (IN AN AMOUNT LESS THAN THE FOSA CHARGE) OR ANY OTHER DEFENSE AT LAW OR EQUITY TO ANY FOSA CHARGE DUE HEREUNDER, AND AGREES IT MUST PURSUE ITS REMEDIES AGAINST BREP WITHOUT WITHHOLDING, SET-OFF, ABATEMENT OR REDUCTION IN AN AMOUNT LESS THAN THE FOSA CHARGE. IT IS THE INTENTION OF THE PARTIES THAT AT LEAST THE FOSA CHARGE WILL CONTINUE TO BE PAYABLE IN ALL EVENTS IN THE MANNER AND AT THE TIMES SET FORTH IN THIS AGREEMENT.
- (d) NOTWITHSTANDING SUBSECTION (C), IN THE EVENT THE STATE PAYS TO BREP AN AMOUNT IN EXCESS OF THE FOSA CHARGE IN ANY MONTH OF A SERVICE YEAR, THE STATE SHALL HAVE THE RIGHT TO OFFSET SUCH OVERPAYMENT AMOUNT, AND ONLY SUCH OVERPAYMENT AMOUNT, FROM A FOSA CHARGE IN A SUBSEQUENT MONTH PURSUANT TO LOUISIANA REVISED STATUTE 39:72(B).

3. AGREEMENT DOCUMENTS. The terms and conditions of the CEA are adopted as if otherwise set forth herein. To the extent any part of this Agreement and the CEA conflict, this Agreement shall govern. In addition to the terms and conditions of this Agreement, the following Schedules are incorporated into and shall be deemed an integral part of this Agreement:

- Schedule 1-A – Scope of Work
- Schedule 1-B – State Responsibilities
- Schedule 2 – Covered Facilities
- Schedule 3 – Price and Payment Terms
- Schedule 4 – Termination
- Schedule 5 – Right of Use and Servitude Agreement

4. NOTICE TO PROCEED; SUBSTANTIAL COMPLETION; SERVICES. This Agreement shall become effective on the date of the last signature on the signature page below (the "**Effective Date**"), which Effective Date shall also serve as the State's Notice to Proceed to commence Work. BREP shall commence performance of the Work within ten (10) Business Days of the Effective Date. BREP shall achieve Substantial Completion of the Work by the Substantial Completion Date, which shall be the earlier of:

- (a) the date on which the State executes a Certificate of Substantial Completion substantially in the form attached hereto as Attachment 1; or
- (b) twenty-four (24) months after the Effective Date, subject to adjustments set forth in Section 6 and Section 7 below.

For purposes of this Agreement, “**Substantial Completion**” means that BREP has provided sufficient materials and services to permit the State to operate the Energy Optimization Improvements. The Services shall commence on the first day of the month following the month in which the State executes a Certificate of Substantial Completion and shall continue throughout the Term (as defined below), subject to earlier termination of this Agreement as provided herein.

5. OWNERSHIP AND TITLE.

- (a) All equipment purchases made during the Term as a part of the Energy Optimization Improvements (the “**Future Equipment**”) will be made in the name of the BREP or BREP’s Trustee.
- (b) Throughout the Term, BREP or BREP’s Trustee will retain legal title to all Future Equipment, notwithstanding the installation of the Future Equipment into the OSB Buildings in connection with the Energy Optimization Improvements.
- (c) Pursuant to Louisiana Revised Statute 10:9-334, the State hereby (i) acknowledges the Future Equipment will be installed in Covered Facilities and classified as “fixtures” as defined by Louisiana Revised Statute 10:9-334, (ii) disclaims any interest in the Future Equipment, (iii) acknowledges BREP or BREP’s Trustee shall be the owner of the Future Equipment, (iv) consents to BREP granting security interests in the Future Equipment to third parties, including BREP’s Financier, and (v) acknowledges that prior to the installation of any Future Equipment in a Covered OSB Building, BREP will perfect a fixture filing and UCC-1 in the mortgage records of the Parish where the Covered OSB Building is located evidencing any security interests granted by BREP or BREP’s Trustee in the Future Equipment.
- (d) Upon the expiration or earlier termination of this Agreement in accordance with the terms hereof, and subject to payment by the State of the Termination Fee for termination prior to expiration in accordance with Section 22 and Schedule 4, title to and ownership of the Future Equipment shall vest in the State, and BREP or BREP’s Trustee, as applicable, will execute and deliver to the State any reasonable documentation to effectuate this.

6. DELAYS AND IMPACTS. If BREP is delayed in the commencement, performance, or completion of the Work and/or Services by causes beyond its control and without its fault, including but not limited to inability to access property, Hazardous Materials or Environmental Conditions present at a Project Site, Concealed Conditions or unknown conditions encountered at a Project Site differing from the conditions represented by the State or otherwise disclosed by the State to BREP prior to the commencement of the Work, a Force Majeure condition pursuant to Section 11.5 of the CEA, failure by the State to perform its obligations under this Agreement, or failure by the State to cooperate with BREP in the timely completion of the Work, BREP shall provide written notice to the State of the existence, extent of, and reason for such delays and impacts. Under such circumstances, an equitable adjustment in the time for performance, price and payment terms shall be made. If the Parties cannot reach agreement regarding an equitable adjustment under this Section 6, BREP will proceed with the Work and/or Services to the extent reasonably practicable, and the dispute shall be resolved by the Parties pursuant to ARTICLE 14 of the CEA.

7. ACCESS. The State shall provide BREP, its subcontractors, and its agents reasonable and safe access to all Covered Facilities pursuant to the Right of Use and Servitude Agreement attached as Schedule 5. The State further agrees to assist BREP, its subcontractors, and its agents to gain access to facilities and properties that are not controlled by the State but are necessary for BREP to complete the Work and provide the Services, if any. An equitable adjustment in the time for performance, price and payment terms shall be made as a result of any failure or delay to grant such access. If the Parties cannot reach agreement regarding an equitable

adjustment under this Section 7, the dispute shall be resolved by the Parties pursuant to ARTICLE 14 of the CEA.

8. **PERMITS, TAXES, AND FEES.** Unless otherwise specified in Schedule 1-B, BREP shall be responsible for obtaining all federal, state and local licenses and permits required for it to perform the Work; provided, however, that the State shall reasonably cooperate with BREP's efforts to secure such licenses and permits. Unless otherwise specified in Schedule 1-A, the State shall be responsible for obtaining all other permits, licenses, approvals, permissions and certifications, including but not limited to all zoning and land use changes or exceptions required for the provision of the Work or the ownership and use of the Energy Optimization Improvements. BREP shall not be obligated to provide any changes to or improvement of the facilities or any portion thereof required under any applicable building, fire, safety, sprinkler or other applicable code, standard, law, regulation, ordinance or other requirement unless the same expressly regulates the installation of the Energy Optimization Improvements. Without limiting the foregoing, BREP's obligations with respect to the Work is not intended to encompass any changes or improvements that relate to any compliance matters (whether known or unknown) that are not directly related to the installation of the Energy Optimization Improvements or which have been imposed or enforced because of the occasion or opportunity of review by any governmental authority. BREP shall not be responsible for and shall not pay any assessments, charges and sales, use, property, excise, or other taxes now or hereafter imposed by any governmental body or agency upon the provision of the Work or the Services, implementation or presence of the Energy Optimization Improvements, the use of the Energy Optimization Improvements or payments due to BREP under this Agreement, other than taxes upon the net income of BREP. The State shall be responsible for real or personal property taxes relating to equipment or material included in the Energy Optimization Improvements. Any fees, taxes, or other lawful charges paid by BREP on account of the State shall become immediately due from the State to BREP.
9. **WARRANTY.** BREP will perform the Work in a professional, workman-like manner. BREP will promptly re-perform any non-conforming Work for no charge, as long as the State provides written notice to BREP within one (1) year following Substantial Completion or such other period identified in Schedule 1-A. BREP shall provide a one (1) year warranty on parts and labor related to Work on the statewide Metasys system. If BREP installs or furnishes goods or equipment under this Agreement other than lighting equipment, and such goods or equipment are covered by an end-user warranty from their manufacturer, BREP will transfer the benefits of such warranty to the State. Notwithstanding the previous sentence, BREP shall provide a ten (10) year manufacturer project warranty for materials only with respect to any LED fixtures, components, and occupancy and lighting controls installed as part of the Work ("**Lighting Equipment**"). The foregoing warranty for Lighting Equipment will commence at Substantial Completion of the lighting Work described under the heading "EO 1 Lighting" in Part II of Schedule 1-A. Further with respect to the warranty for Lighting Equipment, BREP shall provide a warranty stock equal to at least two percent (2%) of lamps and one percent (1%) of LED replaceable drives installed as part of the Work. The foregoing remedy with respect to the Work, together with any remedy provided by goods or equipment manufacturers (other than Lighting Equipment), shall be the State's sole and exclusive remedies for warranty claims. The State agrees that the one (1) year period following Substantial Completion (ten (10) years with respect to Lighting Equipment), or such other period identified in Schedule 1-A, shall be a reasonable time for purposes of submitting valid warranty claims with respect to the Work. These exclusive remedies shall not have failed of their essential purpose so long as transfers the benefits of any goods or equipment end-user warranty to the State and remains willing to re-perform any non-conforming Work for no charge within the one (1) year (or ten (10) year with respect to Lighting Equipment) period described above or such other period identified in Schedule 1-A. NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE PROVIDED BY BREP. This warranty does not extend to any Work that has been abused, altered, or misused, or repaired by the State or third parties without the supervision or prior written approval of BREP. Except with respect to goods or equipment manufactured by BREP and furnished to the State hereunder, for which BREP shall provide its express written manufacturer's warranty, BREP shall not be considered a merchant or vendor of goods or equipment.

- 10. CLEANUP.** BREP shall keep the premises and the surrounding area free from accumulation of waste materials or rubbish caused by the Work and, upon completion of the Work, BREP shall remove all waste materials, rubbish, tools, construction equipment, machinery, and surplus materials.
- 11. SAFETY; COMPLIANCE WITH LAWS.** BREP shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Work and Services. Each of BREP and the State shall comply with Applicable Legal Requirements and Applicable Standards in connection with its performance hereunder.
- 12. ASBESTOS-CONTAINING MATERIALS AND OTHER HAZARDOUS MATERIALS.**

Asbestos-Containing Materials: Neither Party desires to or is licensed to undertake direct obligations relating to the identification, abatement, cleanup, control, removal or disposal of asbestos-containing materials (“**ACM**”). Consistent with Applicable Legal Requirements, the State shall supply BREP with any information in its possession relating to the presence of ACM in areas where BREP undertakes any Work or Services that may result in the disturbance of ACM. It is BREP’s policy to seek certification for facilities constructed prior to 1982 that no ACM is present, and the State shall provide such certification for any Covered Facility. If either the State or BREP becomes aware of or suspects the presence of ACM that may be disturbed by BREP’s Work or Services, it shall promptly stop the Work or Services in the affected area and notify the other. As between the State and BREP, the State shall be responsible at its sole expense for addressing the potential for or the presence of ACM in conformance with all Applicable Legal Requirements and addressing the impact of its disturbance before BREP continues with its Work or Services, unless BREP had actual Knowledge that ACM was present and acted with intentional disregard of that Knowledge, in which case (i) BREP shall be responsible at its sole expense for remediating areas impacted by the disturbance of the ACM, and (ii) the State shall resume its responsibilities for the ACM after BREP’s remediation has been completed.

Other Hazardous Materials: BREP shall be responsible for removing or disposing of any BREP Hazardous Materials and for the remediation of any areas impacted by the release of BREP Hazardous Materials. For Non-BREP Hazardous Materials, the State shall supply BREP with any information in its possession relating to the presence of such materials if their presence may affect BREP’s performance of the Work or Services. If either the State or BREP becomes aware of or suspects the presence of Non-BREP Hazardous Materials that may interfere with BREP’s Work or Services, it shall promptly stop the Work or Services in the affected area and notify the other. As between the State and BREP, the State shall be responsible at its sole expense for removing and disposing of Non-BREP Hazardous Materials from its facilities and the remediation of any areas impacted by the release of Non-BREP Hazardous Materials, unless BREP had actual Knowledge that Non-BREP Hazardous Materials were present and acted with intentional disregard of that Knowledge, in which case (i) BREP shall be responsible at its sole expense for the remediation of any areas impacted by its release of such Non-BREP Hazardous Materials, and (ii) the State shall remain responsible at its sole expense for the removal of Non-BREP Hazardous Materials that have not been released and for releases not resulting from BREP’s performance of the Work or Services. For purposes of this Agreement, “**Hazardous Materials**” specifically includes mold and lead-based paint and specifically excludes ACM. BREP shall have no obligations relating to the identification, abatement, cleanup, control, removal, or disposal of mold, regardless of the cause of the mold.

- 13. CHANGE ORDERS.** The Parties, without invalidating this Agreement, may request changes in the Work to be performed under this Agreement, consisting of additions, deletions, or other revisions to the Work by written Change Orders. The price and payment terms, time for performance and, if necessary, other terms and conditions, shall be equitably adjusted in accordance with the Change Order. Such adjustments shall be determined by mutual agreement of the Parties; provided, that if the Parties cannot reach agreement regarding an equitable adjustment, BREP will proceed with the Work described in the Change Order to the extent reasonably practicable, and the dispute shall be resolved by the Parties pursuant to ARTICLE 14 of the CEA. Any Change Order must be signed by the authorized representative of each Party pursuant to Section 31. If Concealed Conditions or other unknown conditions are encountered at a Project Site differing from the conditions represented by the State in the bid documents or otherwise disclosed by the State to BREP prior to the commencement of the Work, price and payment terms, time for performance and, if necessary, other terms

and conditions, shall be equitably adjusted. Claims for equitable adjustment may be asserted in writing within a reasonable time from the date a Party becomes aware of a change to the Work by written notification. Such adjustments shall be determined by mutual agreement of the Parties; provided, that if the Parties cannot reach agreement regarding an equitable adjustment, BREP will proceed with the Work in a manner that addresses the issues raised as a result of the Concealed Condition or other unknown condition to the extent reasonably practicable, and the dispute shall be resolved by the Parties pursuant to ARTICLE 14 of the CEA. Failure to promptly assert a request for equitable adjustment, however, shall not constitute a waiver of any rights to seek any equitable adjustment with respect to such change.

14. STATE FINANCING; TREATMENT; TAXES. The Parties acknowledge and agree that BREP is not making any representation or warranty to the State with respect to matters not expressly addressed in this Agreement, including, but not limited to:

- (a) The State's proper legal, tax, accounting, or credit rating agency treatment relating to this Agreement; and
- (b) the necessity of the State to raise taxes or seek additional funding for any purpose.

The State is solely responsible for its obligations and determinations with respect to the foregoing matters. In addition, the Parties acknowledge and agree that the State shall be responsible to comply, at its cost and expense, with all Applicable Legal Requirements relating to performance contracting, including, without limitation, any requirements relating to the procurement of goods and/or services and any legal, accounting, or engineering opinions or reviews required or obtained in connection with this Agreement.

15. INSURANCE. BREP shall maintain insurance in the amounts set forth below and consistent with the applicable terms and conditions of **Exhibit "E"** to the CEA with respect to the insurance set forth below, in full force and effect at all times until the Work has been completed, and shall provide a certificate evidencing such coverage promptly following the State's request therefor.

COVERAGES	LIMITS OF LIABILITY
Workmen's Compensation Insurance or self-insurance, including Employer's Liability	Statutory
Commercial General Liability Insurance	\$5,000,000 Per Occurrence \$5,000,000 Aggregate
Comprehensive Automobile Liability Insurance	\$5,000,000 Combined Single Limit

The above limits may be obtained through primary and excess policies, and may be subject to self-insured retentions.

The State shall be responsible for obtaining builder's risk insurance coverage for the Energy Optimization Improvements and shall at all times be responsible for any loss or casualty to the Energy Optimization Improvements. The State shall also maintain insurance coverage, of the types and in the amounts customary for the conduct of its business, throughout the term of this Agreement.

16. INDEMNIFICATION.

- (a) Indemnification by the State. The State will indemnify and hold harmless the BREP Indemnitees from and against any and all Losses, to the extent arising, directly or indirectly, from or in connection with (i) any breach by the State of its obligations, covenants, representations or warranties contained in this Agreement; (ii) any negligent actions or negligent omissions by the State or a State Person in connection with the State's performance of this Agreement or otherwise in the conduct and operation of the Covered Facilities; (iii) any Hazardous Materials or ACM existing at or introduced onto, or Environmental Condition created at, a Covered OSB Building other than by BREP or a BREP Person; or (iv) any claims arising from or based on the violation by the State or a State Person of Applicable

Legal Requirements in connection with the performance of the State's obligations under this Agreement. Notwithstanding any provision to the contrary, if there is joint, concurrent or contributing fault, negligence, gross negligence or intentional misconduct by BREP or any BREP Indemnitee, as determined through a final adjudication, including any appeals, then the State's indemnity obligations hereunder will be limited to the proportionate fault of the State or any State Persons.

- (b) Indemnification by BREP. BREP will indemnify and hold harmless the State Indemnitees from and against any and all Losses to the extent arising, directly or indirectly, from or in connection with (i) any breach by BREP of its obligations, covenants, representations or warranties contained in this Agreement; (ii) any negligent actions or negligent omissions by BREP or a BREP Person in connection with BREP's performance of this Agreement; (iii) any Hazardous Materials introduced onto, or Environmental Condition created at, any Covered Facility by BREP or a BREP Person; or (iv) any claims arising from or based on the violation by BREP or a BREP Person of Applicable Legal Requirements in connection with the performance of BREP's obligations under this Agreement. Notwithstanding any provision to the contrary, if there is joint, concurrent or contributing fault, negligence, gross negligence or intentional misconduct by the State or any State Indemnitee, as determined through a final adjudication, including any appeals, then BREP's indemnity obligations hereunder will be limited to the proportionate fault of BREP or any BREP Persons.

17. LIMITATION OF LIABILITY. BREP'S LIABILITY UNDER THIS AGREEMENT, REGARDLESS OF THE FORM OF ACTION, SHALL IN NO EVENT EXCEED THE AMOUNT OF THE PAYMENTS ACTUALLY RECEIVED BY BREP UNDER SCHEDULE 3. If this Agreement covers fire safety or security equipment, the State understands that BREP is not an insurer regarding those services, and that BREP shall not be responsible for any damage or loss that may result from fire safety or security equipment that fails to prevent a casualty loss. In no event will either Party be liable for or with respect to any claims for consequential, indirect, punitive, exemplary, special or incidental damages, lost profits or lost revenues arising out of or related to this Agreement except to the extent such consequential, indirect, punitive, exemplary, special or incidental damages, lost profits or revenues are payable to a third party in connection with an indemnification covered by ARTICLE 16 herein. The foregoing waivers and limitations are fundamental elements of the basis for this Agreement between BREP and the State, and each Party acknowledges that BREP would not be able to provide the Work and Services contemplated by this Agreement on an economic basis in the absence of such waivers and limitations, and would not have entered into this Agreement without such waivers and limitations.

18. TERM. The term of this Agreement will commence on the Effective Date and will continue in full force and effect until the twentieth (20th) anniversary thereof (the "**Expiry Date**") or the expiration or sooner termination of this Agreement pursuant to Section 20 or the CEA, in all cases in accordance with the terms and conditions hereof or thereof (the "**Term**"). The term of this Agreement may be extended only by the written agreement of the Parties.

19. EVENTS OF DEFAULT.

- a. By State. Subject to Force Majeure as provided in Section 26, the occurrence of any of the following events shall constitute a State Event of Default:
- i. The State fails to cure its breach of a non-monetary obligation under this Agreement within thirty (30) days after the State receives notice from BREP of the breach; provided, that if such breach cannot reasonably be cured during such 30-day period, the State will be entitled to an additional thirty (30)-day period within which to cure its breach, so long as it will have begun to cure such breach within the initial thirty (30)-day period and is diligently pursuing such cure; or
 - ii. The State fails to make any monetary payment due BREP under this Agreement within thirty (30) days after the State receives notice from BREP of such payment being past due.

For purposes of this Agreement, a State Event of Default described in Section 19.a.ii will be deemed to constitute a “**State Event of Major Default.**”

- b. By BREP. Subject to Force Majeure as provided in Section 26, the occurrence of any of the following events shall constitute a BREP Event of Default:
 - i. BREP fails to cure its breach of a non-monetary obligation under this Agreement within thirty (30) days after BREP receives notice from the State of the breach; provided, that if such breach cannot reasonably be cured during such 30-day period, BREP will be entitled to an additional thirty (30)-day period within which to cure its breach, so long as it will have begun to cure such breach within the initial thirty (30)-day period and is diligently pursuing such cure;
 - ii. BREP fails to make any monetary payment due the State under this Agreement within thirty (30) days after BREP receives notice from the State of such payment being past due.

For purposes of this Agreement, a BREP Event of Default described in Section 19.b.ii will be deemed to constitute a “**BREP Event of Major Default.**”

20. GROUNDS FOR TERMINATION.

- a. By State. The State may terminate this Agreement prior to the Expiry Date upon:
 - i. a BREP Event of Major Default related to this Agreement (Termination by State for Cause);
 - ii. for convenience (Termination by State for Convenience);
 - iii. a Change in Law that substantially prevents the State from continuing its performance of substantially all of its obligations under this Agreement (Termination by State for Necessity);
 - iv. an Extended Force Majeure Event that substantially prevents the State from continuing its performance of substantially all of its obligations under this Agreement (Termination by State for Necessity); or
 - v. a Non-Appropriation Event with respect to the Phase I Project pursuant to Section 10.2.c of the CEA (Termination by State for Non-Appropriation).
- b. By BREP. BREP may terminate this Agreement prior to the Expiry Date upon a State Event of Major Default under this Agreement (Termination by BREP for Cause).

21. PROCEDURES FOR TERMINATION.

- a. By BREP for Cause. Should BREP seek to terminate this Agreement pursuant to Section 20.b, after BREP has delivered any requisite Notices pursuant to Section 40 and all appropriate cure periods have expired, BREP shall provide an additional Notice to the State electing to terminate this Agreement. BREP shall specify the Termination Date in its Notice; which Termination Date shall not be less than sixty (60) days from the date such Notice is received by the State.
- b. By the State for Cause. Should the State seek to terminate this Agreement pursuant to Section 20.a.i, after the State has delivered any requisite Notices pursuant to Section 41 and all appropriate cure periods have expired, the State shall provide an additional Notice to BREP, and BREP will have sixty (60) days from the receipt of such additional Notice to cure the BREP Event of Major Default. If BREP fails to cure the noticed BREP Event of Major Default during such sixty (60) day period, the State may terminate this Agreement by providing a final Notice of termination to BREP

setting forth the Termination Date, which may be no earlier than sixty (60) days after BREP's receipt of such final Notice.

- c. By the State for Convenience. Should the State seek to terminate this Agreement pursuant to Section 20.a.ii, the State shall provide Notice to BREP at least ninety (90) days prior to the proposed Termination Date; provided, however, that in no event may the State terminate this Agreement pursuant to Section 20.a.ii unless the State pays the entire Termination Fee payable with respect to such termination pursuant to Schedule 4 attached hereto and **Exhibit "M"** to the CEA.
- d. By the State for Necessity.
 - i. Change in Law. Should the State seek to terminate this Agreement due to a Change in Law, the State will provide Notice to BREP at least ninety (90) days prior to the proposed Termination Date of the Change in Law and describe in reasonable detail, including a written opinion of the State's legal counsel, how such Change in Law substantially prevents the State from continuing its performance of substantially all of its obligations under this Agreement.
 - ii. Extended Force Majeure Event. Should the State seek to terminate this Agreement due to an Extended Force Majeure Event that substantially prevents the State from continuing its performance of substantially all of its obligations under this Agreement, the State will provide Notice to BREP at least thirty (30) days prior to the proposed Termination Date of the Extended Force Majeure Event and describe in reasonable detail how such Extended Force Majeure Event substantially prevents the State from continuing its performance of substantially all of its obligations under this Agreement.
- e. Non-Appropriation. Upon the occurrence of a Non-Appropriation Event with respect to the Phase I Project, if the State desires to terminate this Agreement pursuant to Section 10.2.c of the CEA, the State shall provide Notice of the Non-Appropriation Event to BREP as soon as reasonably practicable after the State's determination that the Non-Appropriation Event has occurred, but in any event within ninety (90) days thereof. The State shall specify the Termination Date in its Notice, which Termination Date shall not be less than ninety (90) days from the date such Notice is received by BREP. Notice of a Non-Appropriation Event shall include reasonable support establishing the occurrence of the Non-Appropriation Event.

22. TERMINATION FEE.

- a. The Parties acknowledge that this Agreement is a component of the Phase I Project under the Phase I Ancillary Agreements and the CEA. Upon termination of this Agreement, but not the termination of the other Phase I Ancillary Agreements, by either Party prior to the Expiry Date as permitted herein and therein, the State shall owe the Termination Fee to BREP determined in accordance with Schedule 4 attached hereto. Upon termination of all of the Phase I Ancillary Agreements by the State prior to the Expiry Date as permitted by the CEA or the Phase I Ancillary Agreements, the State shall owe the Termination Fee to BREP determined in accordance with **Exhibit "M"** to the CEA. The Parties acknowledge that the Termination Fees described therein are reasonable estimates, and not penalties, of the presumed actual losses that BREP would suffer due to termination of all or any of the Phase I Ancillary Agreements prior to the Expiry Date, and that the calculation of any such reasonably estimated Termination Fees includes consideration of BREP's Work-related costs (direct and indirect), equity commitments and any debt repayment and costs relating to any Termination hereof and thereof.
- b. THE STATE AGREES THAT IT IS NOT ENTITLED TO WITHHOLD, OFFSET, ABATE, OR REDUCE THE AMOUNT OF PAYMENT OF ANY TERMINATION FEE DUE HEREUNDER FOR ANY REASON WHATSOEVER. THE STATE SPECIFICALLY WAIVES ANY RIGHT OF

WITHHOLDING, SET-OFF, ABATEMENT OR REDUCTION OR ANY OTHER DEFENSE AT LAW OR EQUITY TO ALL TERMINATION FEES DUE HEREUNDER, AND AGREES IT MUST PURSUE ANY AVAILABLE REMEDIES AGAINST BREP WITHOUT WITHHOLDING, SET-OFF, ABATEMENT, OR REDUCTION IN AN AMOUNT LESS THAN THE ENTIRE TERMINATION FEES. IT IS THE INTENTION OF THE PARTIES THAT AT LEAST THE TERMINATION FEES WILL CONTINUE TO BE PAYABLE IN ALL EVENTS IN THE MANNER AND AT THE TIMES SET FORTH HEREIN.

- 23. EFFECT OF TERMINATION.** At the end of the Term of this Agreement, upon payment of the Termination Fee, if applicable, possession and use of all of Covered Facilities, and title to all Improvements constructed and Future Equipment installed in Covered Facilities pursuant hereto during the Term of this Agreement, will revert to the State, free and clear of any interest of BREP, BREP's Trustee or BREP's Financier or any other claim or lien arising by or through BREP; provided, however, that if the Termination Fee is owed and the State fails to pay timely and fully pay the Termination Fee, BREP and BREP's Trustee shall be entitled to the remedies afforded them in Section 11.2c of the CEA. Notwithstanding the foregoing, in the event of a Termination of this Agreement by State for Cause, if the State pays within five (5) days of termination to BREP the non-depreciable costs incurred by BREP to purchase and install all, but not less than all, of the Future Equipment, neither BREP nor BREP's Trustee may repossess or remove any piece of Future Equipment. No termination of this Agreement excuses either Party from any liability arising out of any default as provided in this Agreement that occurred prior to such termination.
- 24. NON-APPROPRIATION.** All State obligations under this Agreement are subject to appropriation by the Legislature of sufficient funds therefor and the availability of funds following Legislative appropriation, and subject to termination due to unavailability of funding. The State agrees that the State Budget proposed by the Governor to the Legislature will include the funds necessary for the State Investment, and to use its best efforts to affect the necessary Legislative appropriations for the funds necessary for the State Investment, but makes no representations, warranties or covenants, express or implied, that the Legislature will make such appropriations.
- 25. PLEDGE.** The State consents to BREP's grant of a mortgage, security interest, pledge or assignment in, to and under (i) all rights of BREP arising under this Agreement, including BREP's right to receive payments for the Work and the Services hereunder and the Termination Fee and (ii) the Future Equipment, provided that any such mortgage shall not be for a term longer than the Term of this Agreement.
- 26. FORCE MAJEURE.** The respective rights and obligations of the Parties on the occurrence of, and during, an event of Force Majeure will be governed by the provisions Section 11.5 of the CEA.
- 27. BREP'S PROPERTY.** All materials furnished or used by BREP and/or BREP subcontractors or agents at the installation site, including documentation, schematics, test equipment, software and associated media remain the exclusive property of BREP or such other third party. The State agrees not to use such materials for any purpose at any time without the express authorization of BREP. The State agrees to allow BREP and/or BREP subcontractors or agents to retrieve and to remove all such materials remaining after installation or maintenance operations have been completed. The State acknowledges that any software furnished in connection with the Work and/or Services is proprietary and subject to the provisions of any software license agreement associated with such software.
- 28. PERFORMANCE AND PAYMENT BOND.**
- a. The State shall have the right to require BREP to furnish bonds covering the faithful performance of the Work and Services and payment obligations hereunder.
 - b. Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under this Agreement, BREP shall promptly furnish a copy of the bonds or shall authorize a copy to be furnished.

- c. Upon request, BREP shall obtain and record within thirty (30) days of the execution of this Agreement, a performance and payment bond with the Clerk of the Court in the Parish in which the Work or Services are to be performed.

29. DISPUTES. Disputes between the Parties shall be governed by the dispute resolution procedures in Article 14 of the CEA.

30. GOVERNING LAW. This Agreement and all Schedules and Attachments to this Agreement, and all matters arising out of or relating to them (whether in law or in equity), are governed by and construed in accordance with, the internal laws of the State of Louisiana, without regard to the conflict of laws provisions thereof to the extent those principles or rules would require or permit the application of the laws of any jurisdiction other than those of the State of Louisiana.

31. REPRESENTATIVES. Within five (5) days of the Effective Date, BREP shall appoint the BREP Representative and the State shall appoint the State Representative, each of whom will be authorized to act as a designated contact person(s) for matters concerning this Agreement; provided, however, that throughout the Term, there may be different individuals acting as representatives with different levels of authority to act on behalf of a Party. A Party will be bound by the written communications from its representative to the other Party. In addition, in cooperation with BREP, the State will designate certain State Representatives who will be available twenty-four (24) hours per day, seven (7) days per week and the means by which each of them may be contacted at all times. These particular State Representatives are to be notified by BREP at any time that BREP has Knowledge of an Emergency. A Party may replace a representative upon providing the other Party with Notice. The Parties will be entitled to rely on the genuineness of such Notice from the other Party.

32. CONSENTS; APPROVALS; COOPERATION. Whenever the State's consent, approval, satisfaction or determination shall be required or permitted under this Agreement, and this Agreement does not expressly state that the State may act in its sole discretion, such consent, approval, satisfaction or determination shall not be unreasonably withheld, qualified, conditioned or delayed, whether or not such a "reasonableness" standard is expressly stated in this Agreement. Whenever the State's cooperation is required by BREP in order to carry out BREP's obligations hereunder, the State agrees that it shall act in good faith and reasonably in so cooperating with BREP and/or BREP's designated representatives or assignees or subcontractors. The State shall furnish decisions, information, and approvals required by this Agreement in a timely manner so as not to delay the performance of the Work or Services.

33. FURTHER ASSURANCES; ESTOPPEL CERTIFICATION.

- a. From time to time, and at any time, at and after the Effective Date, each Party will execute, acknowledge and deliver such documents and assurances, reasonably requested by any other Party (in such form reasonably acceptable to the requested Party) and will take any other action consistent with the terms of this Agreement that may be reasonably requested by a Party for the purpose of effecting or confirming any of the transactions contemplated hereby.
- b. Any Party shall, without charge, at any time and from time to time hereafter within sixty (60) days after written request of another Party (such request to specify this Agreement and Section), certify by written instrument duly executed and acknowledged to any Person or entity specified in such request: (a) as to whether this Agreement has been supplemented or amended, and if so, the substance and manner of such supplement or amendment; (b) as to the validity and force and effect of this Agreement, in accordance with its tenor as then constituted; (c) as to the existence of any default thereunder by such Party or, to such Party's Knowledge, the other Party; (d) as to the existence of any offsets, counterclaims or defenses thereto on the part of such other Party for which such Party has Knowledge; (e) as to the commencement and expiration dates of the Term of this Agreement; and (f) as to any other matters as may reasonably be so requested. Any such certificate may be relied upon by the requesting Party and any other Person, firm or corporation to whom the same may be exhibited or delivered, and the contents of such certificate shall be binding on the Party executing same. Any estoppel certification delivered pursuant to this Section 15.10

shall only speak as to the facts contained in such certification and shall not be deemed to constitute an amendment or modification to this Agreement.

34. **INDEPENDENT CONTRACTOR.** Nothing in this Agreement will be deemed to constitute any Party a partner, agent or legal representative of any other Party or to create a joint venture, partnership, agency or any relationship between the Parties, and BREP is an independent contractor of the State.
35. **POWER AND AUTHORITY.** Each Party represents and warrants to the other that (i) it has all requisite power and authority to execute and deliver this Agreement and perform its obligations hereunder, (ii) all corporate, board, body politic, or other approvals necessary for its execution, delivery, and performance of this Agreement have been or will be obtained, and (iii) this Agreement constitutes its legal, valid, and binding obligation.
36. **SEVERABILITY.** To the fullest extent possible, each provision of this Agreement shall be interpreted in such manner as to be effective and valid under law, but if any provisions of this Agreement shall be prohibited or invalid under any law, such provision shall be ineffective to the extent of such prohibition or invalidity without invalidating the remainder of such provision or the remaining provisions of this Agreement.
37. **COMPLETE AGREEMENT.** This Agreement, together with the CEA, constitute the Parties' entire agreement with respect to the subject matter hereof and supersedes all prior oral or written agreements and understandings between the Parties relating to the subject matter hereof. Except as otherwise provided in this Agreement, no amendment, supplement or modification of this Agreement will be binding upon any Party unless executed in writing by such Party. Each Party hereto is relying exclusively on the terms of this Agreement, the CEA, its own judgment, and the advice of its own legal counsel and/or other advisors in entering into this Agreement. The State acknowledges and agrees that any purchase order issued by the State associated with this Agreement is intended only to establish payment authority for the State's internal accounting purposes. No purchase order shall be considered a counteroffer, amendment, modification, or other revision to the terms of this Agreement.
38. **ASSIGNMENT.** BREP will not assign or otherwise transfer its rights or obligations under this Agreement except in accordance with the provisions of Article 9 of the CEA. The State shall not assign or otherwise transfer its rights or obligations under this Agreement under any circumstances.
39. **HEADINGS.** The captions and titles in this Agreement are for convenience only and shall not affect the interpretation or meaning of this Agreement.
40. **COUNTERPARTS.** This Agreement may be executed in counterparts, each of which will be deemed an original and all of which will constitute one agreement. The signatures of any Party to a counterpart will be deemed to be a signature to, and may be appended to, any other counterpart. Digital signatures and other electronic signatures and copies of manual signatures transmitted by facsimile, e-mail or other electronic means will be binding and considered fully effective as if they were authentic original signatures.
41. **NOTICES.** All notices or communications related to this Agreement shall be provided pursuant to Article 16 of the CEA. Notwithstanding the provisions of Article 16 of the CEA, delivery of invoices for the State payments due hereunder will be in writing and e-mailed to the State at the following address (or such other e-mail address as the State may request in accordance with the provisions of Article 16 of the CEA): _____.

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY BLANK.]

[SIGNATURE PAGE TO FACILITIES OPTIMIZATION SERVICES AGREEMENT]

THE STATE OF LOUISIANA

BATON ROUGE ENERGY PARTNERS, LLC

Signature: _____

Signature: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

SCOPE OF WORK

SUMMARY OF THE SCOPE OF WORK

Baton Rouge Energy Partners (BREP) will provide the Customer with the scope of work (Work) identified on this Schedule. BREP shall supervise and direct the Work and shall be responsible for construction means, methods, techniques, sequences, and procedures and for coordinating the Work under this Agreement. BREP shall be responsible to pay for labor, materials, equipment, tools, construction equipment and machinery, transportation, and other facilities and services necessary for the execution and completion of the Work. Completed work will be functional and installed in accordance with local governing codes at the time of execution of this Agreement.

General Work

- Conduct a pre-construction conference with BREP Project Manager and Customer.
- Final engineering work for each Energy Optimization Improvements (EOI), as required under the Agreement. Once final engineering work is complete, some minor modifications to outlined Scope of Work may be required. No modifications shall be made to the Work without prior approval of Customer.
- Three (3) electronic copies of the Operations and Maintenance (“O&M”) manuals of equipment shall be submitted to Customer at completion of the construction phase of the project.
- One (1) hard copy and three (3) electronic copies of as-built construction drawings for EOI 2 will be submitted to the Customer at completion of the construction phase.
- BREP shall provide an as-built lighting table with updated fixture counts to reflect actual lamps/ballasts/fixtures installed.
- BREP shall provide Shop Drawings for As-Built drawings on similar or identical equipment that is being replaced for EOI 4 and EOI 5.
- Customer retains the right to keep any removed equipment or material, unless specified differently in other areas of this Scope of Work. Customer has within 45 days of contract signing to notify BREP of intent to keep equipment.
- Work will be coordinated with Customer personnel to minimize interruptions and delays.
- Materials being installed shall be new unless otherwise specified in this Scope of Work.
- Necessary protection will be provided to avoid damage to adjacent services in the surrounding work areas.
- The BREP Safety Specifications will be followed at all times. Any safety violations will be addressed immediately. Work will not continue until any unsafe conditions are corrected.

General Exclusions

- HAZARDOUS MATERIALS. Unless specifically noted in this Scope of Work, BREP’s obligations expressly exclude any Work or Services of any nature associated or connected with the identification, abatement, cleanup, control, removal, or disposal of hazardous materials or substances, including, but not limited to, asbestos, in or on the premises.
- Any structural modifications to existing equipment and infrastructure that is required due to previously unknown deficient structural conditions.
- Code upgrades for existing infrastructure or equipment scheduled to remain.

- Repair, upgrades or replacement of defective mechanical, electrical or controls equipment, or the electrical distribution system, except the equipment described to be replaced in the Scope of Work (BREP will identify the location of defective equipment and notify Customer personnel).
- Testing, Adjusting, or Balancing (TAB) of existing air or water systems, unless specified in the Scope of Work.
- Chemical treatment of chilled water and condensing water systems, unless specified in the Scope of Work
- Existing building ventilation conditions and indoor air quality issues not included in this Scope of Work are excluded.
- Engineering services, studies, and analysis associated with any exclusions or work clearly outside of the scope definition.
- Repairs or upgrades to bring the existing systems up to code, including egress and American's with Disabilities Act (ADA) code compliance issues.
- The following table summarizes the EOIs to be implemented for this project.

Table 1: EOIs to be Implemented

EOI Number	EOI Description
EOI 1	Lighting Upgrades
EOI 2	Energy Management Control System
EOI 3	Water Conservation
EOI 4	Central Plant Optimization
EOI 5	Chiller Replacements
EOI 8	Boiler Replacements
EOI 11	Separate HHW and DHW Systems (OPH Lab)
EOI 12	Retro-Commissioning

II. DESCRIPTION OF THE SCOPE OF WORK

EOI 1 Lighting

General

The following general requirements are associated with the replacement of existing lighting fixtures with new LED lighting technology per Attachment 1-A(i). All work to be in accordance with prevailing industry practice, state and local codes in effect at the time of contract signing.

Demolition and Removal Work

Existing lamps and ballasts associated with the referenced scope of work in Attachment 1-A(i) will be removed and properly disposed according to Federal, State and Local regulations existing at the time of execution of the Agreement. It is also the responsibility of BREP, acting as an agent for the Customer, to ensure the proper disposal of hazardous lighting waste in accordance with the Federal, State and Local laws and regulations in effect at the time of contract signing. If PCB light ballasts are found, they will be disposed of accordingly, listing the Customer as the "Generator" of the ballast waste.

New Installation Work

- BREP will provide materials, labor, and necessary equipment to complete the scope of work in Attachment 1-A(i).

Inclusions

- Warranty Stock of two percent (2%) of lamps and one percent (1%) of LED replaceable drivers.
- Manufacturer product warranty of ten years on LED fixtures and components (material only).
Manufacturer product warranty of ten years on all occupancy and lighting controls (material only).
- This material warranty start date is substantial completion at each facility for the lighting work.
- Provide two (2), four (4) hour trainings which shall include the following topics for Customer maintenance personnel:
 - Occupancy sensor operation
 - Lighting identification and proper use of the As-built Lighting Audit
 - Lighting inventory and warehouse procedures
 - Warranty procedures
 - Wipe down prismatic lenses of existing affected fixtures with dry cloth.
 - Repair or replacement of damaged, cracked, or yellowed lenses for fixtures affected by the Scope of Work.

Exclusions

- Repair or replacement of defective electrical components, other than the equipment specifically described in the EOI description. BREP will identify the location of defective equipment and notify the owner.
- Existing faulty wiring or raceways providing power to lighting systems. BREP will bring such conditions to the attention of Customer, but it shall be the responsibility of Customer to address the identified deficiencies.

- Repair or upgrades required due to rectify existing code violations, including egress and emergency lighting codes, unless specifically described in this scope of work.
- Stamped Engineering drawings.
- Fixtures in areas not addressed in Attachment 1-A(i).
- Repair of wiring to poles, if required, is not included.
- Work on pole lighting with unsafe electrical conditions. BREP will notify the Customer immediately of such conditions.
- Pole mounted lighting will reuse existing poles. Customer is responsible for pole maintenance, repair and replacement throughout the term of the guarantee.
- Reconfiguration of existing lighting system layout, except where noted in Attachment 1-A(i).

EOI 2 Energy Management Control System

General

This EOI shall include a BREP Metasys automation system, per the scope below. The new Metasys automation system components shall be BACNet compliant and will communicate on the existing customer network. Specified existing electronic/pneumatic HVAC controls will be replaced with new direct digital controls (DDC).

Demolition and Removal Work

- For existing pneumatic controls to be replaced, remove existing pneumatic controls as and where detailed below. Remove existing visible pneumatic tubing back to the nearest junction box and cap. Unexposed pneumatic tubing within walls will remain.
- Existing electric and mechanical thermostats and devices that are to be replaced will be disconnected and wiring preserved for use with new control system components. Existing support systems, mounting struts, conduit and cabling will be preserved and re-used, if possible. If existing wiring and/or control tubing is not suitable for re-use, it will be removed to above ceiling level and abandoned in place.

New Installation Work

- New control wiring will be installed exposed using plenum rated cabling in concealed accessible areas, such as above suspended ceilings and inside of drywall partitions. New control cabling installed in existing cable tray will also be plenum-rated. In exposed locations, such as in electrical rooms and mechanical rooms, new control wiring will be installed in EMT raceway. In exterior locations, control cabling will be installed in rigid conduit and/or sealtite conduit.
- Includes required Metasys programming, system commissioning and system testing.
- Includes application engineering, control drawing submittals and product data submittals for modifications and additions to the existing statewide Metasys system.
- Includes 40 hours (total) of on-site operator training to be distributed amongst various sites following completion of construction. Furnish and install control items by building detailed below.

Information Services Building

- Replace AHU Inlet Vane Actuator with VFD (Quantity=2):
- Provide new VFDs to be installed on existing AHUs. Install and provide power wiring for new VFD with Metasys interface for the following air handlers (Quantity=2):
 - AHU-1 (20HP, 460VAC, 3Ph)
 - AHU-2 (20HP, 460VAC, 3Ph)
- Install following new cabling and input/output devices for each VFD:
 - New N₂ Bus to VFD from existing DX-9100 controller serving the AHU
 - New speed control cable
 - New current sensing command relay (CSR) to be installed in VFD cabinet for start/stop/status
 - Terminate above cables to each AHUs associated existing Metasys DX-9100 control panel located on wall adjacent to each unit.
- Demolish existing inlet vane damper actuator and lock vanes in full open position.
- Hot Water Reset
- Make software modifications to implement hot water supply temperature reset strategy on existing boilers

State Library

- Metasys Controls:
- Upgrade existing Metasys N₂ controls throughout facility to new Metasys BACnet control system and retrofit the system to replace remaining pneumatic HVAC controls with new electronic Metasys controls as detailed below:
- Heating/Cooling Plant (BSMT Mech Rm):
 - Re-configure existing NAE4510 supervisory controller (NAE-10) located in Basement from N₂ to BACnet MSTP trunk following conversion of existing controllers to BACnet MS/TP. The existing N₂ bus will be re-purposed as the new BACnet MS/TP trunk.
 - Provide 2 new Metasys FEC controller(s) to replace existing DX-9100 controller serving heating/cooling Plant, EN-CHW (N₂=1). One FEC will be dedicated for the heating system points and another for the chilled water system points. Re-use existing enclosures, temperature sensors, pressure sensors, VFD, flow meters and control valves serving plant. Re-terminate existing I/O cables to the new FEC controllers with one serving the heating system and other serving the chiller system.
 - Preserve existing CHWP-1 and CHWP-2 VFD's. These VFDs will be re-configured from N₂ to BACnet MS/TP.
 - Replace existing pneumatic actuator serving the existing 3-way hot water mixing butterfly valve in Main Mechanical Room with new electronic actuator (Quantity=1). Install cable from the FEC controller serving the heating system to this HW mixing valve.
- **Basement MZU's (Electronic Controls):** There are Quantity=4 existing Multi-zone AHUs in the basement that are presently each controlled by a UNT controller providing only start/stop, status, filter status and zone temp. These four AHUs and their associated zones are otherwise controlled with pneumatics. Demolish the existing pneumatic controls and upgrade these units to DDC controls as described below:
 - **AHU B-A** (Basement Main Mechanical, 4 Zone MZU): Replace existing UNT with new Metasys FEC/IOM controller and connect to existing N₂ (now BACnet MS/TP) trunk. Install following devices along with raceway and cabling required:
 - PFILT-S New switch and cable
 - MA-T New sensor and cable
 - LT-A (Interlock to starter)
 - CD-T New duct averaging sensor and cable
 - HD-T New duct averaging sensor and cable
 - CLG-O Install new valve. New cable
 - HTG-O Install new valve. New cable
 - OAD-O Field install new electronic actuator and cable
 - RAD-O Field install new electronic actuator and cable
 - RA-T/H New sensor and cable
 - SF-C, S (Re-use existing Current Sensing Command Relay (CSR) at starter) existing cable
 - For each of 4 Zones:
 - ZNx-T Sensor New sensor and cable to replace existing pneumatic thermostat
 - ZNDMPRx-O Field install new electronic actuator and cable
 - Zone RHV-O Replace pneumatic RHV with new electronic. New cable
 - Note: All four zone sensors may be Daisy-chained together on a new SA bus originating at the FEC controller serving the MZU.
 - **AHU B-1** (Basement Main Mechanical, 4 Zone MZU): Same as AHU B-A, except serves zones on Floor-1 above.
 - **AHU B-2** (Basement dedicated mechanical room, 4 Zone MZU): Same as AHU B-A, except serves zones on Floor-1 above.

- **AHU B-3** (Basement dedicated mechanical room, 5 Zone MZU): Same as AHU B-A, except has 5 zones and it serves zones on Floor-1 above.

- **Existing Variable Air Volume AHUs (Quantity=4, AHU-2-1, 2-2, 4-3, 4-4):** There are Quantity=4 existing VAV AHUs that are presently each controlled by a DX-9100 controller providing only start/stop, status, filter status, supply air temp and zone temp. These four AHUs and their associated terminal boxes are otherwise controlled with pneumatics. Demolish the existing pneumatic controls and upgrade these units to DDC controls as described below:
 - **AHU 2-1** (Floor-2 SW Mechanical Room): Replace existing DX-9100 with new Metasys FEC/IOM controller and connect to new BACnet MS/TP trunk. Install following devices along with raceway and cabling required:
 - PFILT-S (re-use DP switch and cable)
 - SF-C, S (re-use existing CSR and cable)
 - SF-O (install new cable to control the existing VFD's speed)
 - SF-A (install new cable to VFD to monitor fault contact)
 - CLG-O Install new valve to replace pneumatic
 - SA-T (re-use cable and sensor)
 - MA-T new sensor and cable
 - STATIC locate sensor in panel and sample at 2/3 longest duct run via 1/4" Poly twin FPLR
 - SPHL monitor status and also interlock to shut down VFD
 - RA-T/H new sensor and cable
 - FLR1LTGA-C (re-use existing relay and cable)
 - FLR1LTGB-C (re-use existing relay and cable)
 - **AHU 2-2** (Floor-3 SE Mechanical Room): Same as AHU 2-1, except no lighting circuit control
 - **AHU 4-3** (Floor-4 NE Mechanical Room): Same as AHU 2-1, except no lighting circuit control
 - **AHU 4-4** (Floor-4 SE Mechanical Room): Same as AHU 2-1, except no lighting circuit control
- **Constant Volume Single Zone AHUs (Quantity=5, AHU-3-1, 3-2, 3-3, 4-1, 4-2):** There are Quantity=5 existing CV SZ AHUs that are presently each controlled by a DX-9100 controller providing only start/stop, status, filter status, supply air temp and zone temp. These five AHUs are otherwise controlled with pneumatics. Demolish the remaining pneumatic controls and upgrade these units to DDC controls as described below:
 - **AHU 3-1** (Flr-3 SW Mechanical Room): Replace existing DX-9100 with new Metasys FEC controller and connect to existing N₂ (now BACnet MS/TP) trunk. Install following devices along with raceway and cabling required:
 - PFILT-S (re-use DP switch and cable)
 - SF-C, S (re-use existing CSR and cable)
 - CLG-O Install new valve to replace pneumatic
 - RHTG-O Install new valve to replace pneumatic
 - SA-T (re-use cable and sensor)
 - MA-T/H New sensor and cable
 - ZN-T/H New Cat3 cable
 - FLR3LTG-C (re-use existing relay and cable)
 - **AHU 3-2** (Floor-3 SE Mechanical Room): Same as AHU 3-1
 - **AHU 3-3** (Floor-3 NE Mechanical Room): Same as AHU 3-1
 - **AHU 4-1** (Floor-4 SW Mechanical Room): Same as AHU 3-1
 - **AHU 4-2** (Floor-4 NE Mechanical Room): Same as AHU 3-1
- **Floor-5 Constant Volume Single Zone AHUs (Quantity=5, AHU-5-1, 5-2, 5-3, 5-4, 5-5):** There are Quantity=5 existing CV SZ AHUs that are already controlled by FEC controllers, but reside on the N₂ bus. Re-configure the FEC controllers to use the BACnet MS/TP bus. These FEC controllers presently provide only start/stop, status, filter status, supply air temp and zone temp. These five AHUs have pneumatic

control valves that are controlled through EPTs. Demolish the EPTs and upgrade these units to DDC controls as described below:

- **AHU 5-1** (Floor-5 SW Mechanical Room): Install following devices along with raceway and cabling required:
 - PFILT-S (re-use DP switch and cable)
 - SF-C, S (re-use existing CSR and cable)
 - CLG-O Install new valve to replace pneumatic
 - RHTG-O Install new valve to replace pneumatic
 - SA-T (re-use cable and sensor)
 - MA-T/H (re-use cable and sensor)
 - ZN-T/H (re-use cable and sensor)
 - FLR5LTG-C (re-use)
- **AHU 5-2** (Floor-5 SE Mechanical Room): Same as AHU 5-1, except no lighting control
- **AHU 5-3** (Floor-5 NE Mechanical Room): Same as AHU 5-1, except no lighting control
- **AHU 5-4** (Floor-5 NE Mechanical Room): Same as AHU 5-1, except no lighting control
- **AHU 5-5** (Floor-5 SE Mechanical Room): Same as AHU 5-1, except no lighting control
- **Penthouse Variable Volume Fresh Air Unit (Quantity=2, AHU-P-1, P-2):** There are Quantity=2 existing VAV fresh air units (one serves North AHUs, other serves South AHUs) that are controlled by UNT controllers and pneumatic controls. These UNT controllers presently provide only start/stop, status, filter status, supply air temp and zone temp. These two AHUs have pneumatic control valves that are controlled through EPTs. Demolish the EPTs and upgrade these units to DDC controls as described below:
 - **AHU P-1** (North Penthouse): Replace existing UNT with new Metasys FEC controller and connect to existing N₂ (now BACnet MS/TP) trunk. Install following devices along with raceway and cabling required:
 - Demolish existing VFD serving this AHU in Penthouse and replace with new 5HP/480V VFD. Connect to FEC controller via new segment of SA Bus
 - SF-O new cable from new FEC to new VFD
 - SF-ALM new cable from new FEC to new VFD
 - PFILT-S (re-use DP switch and cable)
 - SF-C, S (re-use existing CSR and cable)
 - CLG-O Install new valve to replace pneumatic
 - RHTG-O Install new valve to replace pneumatic
 - SA-T (re-use cable and sensor)
 - STATIC (re-use cable and sensor)
 - SPHL monitor status and also interlock to shut down VFD
 - FCU-C, S (re-use existing CSR and cable)
 - ZN-T (re-use sensor and cable)
 - EF-C, S (Install new cable and CSR)
 - **AHU P-2** (South Penthouse): Replace existing UNT with new Metasys FEC controller and connect to existing N₂ (now BACnet MS/TP) trunk. Install following devices along with raceway and cabling required:
 - Demolish existing VFD serving this AHU in Penthouse and replace with new 5HP/480V VFD Connect to FEC controller via new segment of SA Bus
 - SF-O install new cable from new FEC to new VFD
 - SF-ALM new cable from new FEC to new VFD
 - PFILT-S (re-use DP switch and cable)
 - SF-C, S (re-use existing CSR and cable)
 - CLG-O install new valve to replace pneumatic

- RHTG-O install new valve to replace pneumatic
 - SA-T (re-use cable and sensor)
 - STATIC (re-use cable and sensor)
 - SPHL monitor status and also interlock to shut down VFD
 - FCU-C, S (re-use existing CSR and cable)
 - ZN-T (re-use sensor and cable)
 - EF-C, S (install new cable and CSR)
 - Building CHW DP sensor (re-use existing sensor and cable)
 - Building OA-T sensor (re-use cable, but replace sensor)
- VAV Terminal Boxes (Quantity=31, 23 of which have HWRH Coils):
 - Box Locations:
 - Floor-2: 12 Boxes served by AHU 2-1
 - Floor-2: 8 Boxes served by AHU 2-2
 - Floor-4: 7 Boxes served by AHU 4-3
 - Floor-4: 4 Boxes served by AHU 4-4
 - Demolish existing pneumatic controls serving each terminal box.
 - Install control transformers inside each VAV AHU control panel to provide 24VAC power for new VMAs.
 - Extend 24VAC and BACnet MS/TP from the parent AHU control panel and extend out to each new VMA controller served by that AHU system.
 - Install new Metasys BACnet VMA controller on each terminal box and terminate to 24VAC and MSTP
 - Install NetStat zone temperature sensor (and Cat3 cable) to serve each box.
 - Install SA-T sensor in discharge of terminal box and terminate to VMA.
 - Replace existing pneumatic hot water reheat control valve with electronic valve on terminal boxes having hot water reheat coils (Quantity=23 total). Terminate HW valve to VMA via new 4c/#18 cable plenum.
 - **CV Min OA Terminal Boxes (Quantity=14):** Field install new Metasys BACnet VMA controller (to replace existing pneumatic box controls) for control of existing Constant volume minimum outside air terminal box serving fresh air to AHUs located in mechanical rooms on Floors-2 thru 5. Connect each VMA to BACnet MS/TP and 24VAC power available from the associated AHU control panel located in the same room.
 - **Warehouse Fan Coil Units (FCUs):** There are presently two FCUs in the warehouse that are controlled by a common UNT controller (S/S, Status and ZN-T only). Replace this UNT with an FEC controller and re-terminate the following points:
 - FCU1-C, S
 - FCU2-C, S
 - WAREHOUSE-T.
 - Connect the new FEC to existing N₂ (now BACnet MS/TP) trunk and 24VAC power available in the existing FCU control panel.
 - Demand Ventilation Control (Quantity=14)
 - Install a zone CO₂ sensor for each existing AHU (Quantity=14) and terminate to new VMA controller serving the Min OA terminal boxes.
 - Hot Water Reset

- Make software and cabling modifications to implement hot water supply temperature reset strategy on hot water boilers.
 - Night Temperature Setpoint Setback with Humidity/Dewpoint Monitoring
- Implement temperature setpoint setback strategy in air handler and terminal box systems during scheduled “unoccupied” periods (with humidity/dewpoint override control) to optimize system operation.

Alexandria Building

- Demand Ventilation Control
- Provide a zone CO₂ sensor and new modulating OA damper actuator for existing AHUs (Quantity=6, AHU-5, 6, 7, 8, 9, 10) for implementation of demand ventilation control strategies.

Shreveport Building

- Multi-zone AHU Controls
- Replace existing pneumatic zone controls with new electronic Metasys zone controls for Quantity=18 existing multi-zone air handling units. This includes electronic zone damper actuators and zone temperature sensors (NETSTATs) for Quantity=63 zones. (Note: New SA Bus cabling for zone temperature sensors (NETSTATs) to be installed in East Tower is to be installed in existing low voltage wire ducts located beneath glued-on ceiling).
- Provide new Metasys FEC controllers (Quantity=20) to replace existing the existing (Quantity=8) DX-9100 controllers presently serving the existing multi-zone AHUs
- Provide new 2-way, electronic CHWV (Quantity=18) for each East Tower MZU AHU
- Provide new 2-way, electronic HWV (Quantity=18) for each East Tower MZU AHU
- Provide new OA/RA damper actuators (Quantity=18) for each East Tower MZU AHU
- Provide new MA-T, HD-T, CD-T (Quantity=18) for each East Tower MZU AHU
- (Note: Two basement units already have Metasys zone controls, electronically actuated HWV’s and CHWV’s. These controls will not be replaced)

- VAV AHU-P1 & AHU-P2 Control System Upgrades/Additions:
- Provide new Metasys FEC controllers (Quantity=2) to replace existing DX-9100 controllers serving these units.
- Install new mixed air temp sensor in each unit (Quantity=2) for implementation of OA Economizer sequence and improved system performance evaluation
- Install new RA-T/H sensor in each unit (Quantity=2) for implementation of OA Economizer sequence and improved system performance monitoring
 - Additional VAV Terminal Box Controls (Quantity=14)
- Furnish and install new VMA controller, DA-T sensor, electronic HWRH valve, 24VAC power and zone NETSTAT for (Quantity=14) terminal boxes that were installed in 2006 on floors-1, 2, 4 and 7.
 - Hot Water Reset / Boiler Optimization
- Provide new FEC controllers (Quantity=2) to replace existing controllers serving HW boilers and HW pumps and install new cabling to implement hot water supply temperature reset strategies on existing boilers.
 - Demand Ventilation Control
- Provide a zone CO₂ sensor for existing AHUs (Quantity=24) for implementation of demand ventilation control strategies

Second Circuit Court of Appeals

- Metasys Controls:
- Replace existing Carrier control system with new Metasys BACnet control system. Provide new Metasys Network Automation Engine (Quantity=1). Note: Existing Carrier CCN trunk to be re-used for new Metasys BACnet MS/TP trunk.
- Provide new Metasys NCE controller (Quantity=1) for chilled water system retrofit and re-terminate to existing control cabling. Replace chilled water system temperature sensors. Re-use existing enclosures, control cabling and re-terminate.
- Install new Enable/Disable, Run Status and Alarm Status cabling to each chiller to provide hardwired control/monitoring of each (Quantity=2).
- Provide new Onicon F-1210 flow meter (Quantity=1) for building chilled water flow
- Provide new Metasys FEC controller (Quantity=1) for hot water system retrofit and re-terminate to existing control cabling. Replace hot water system temperature sensors. Re-use existing enclosures, control cabling and re-terminate.
- Provide new Metasys FEC controller (Quantity=3) for AHU system retrofits. Replace temperature and humidity sensors presently serving AHU systems. Re-use other existing end devices. Re-use existing enclosures, control cabling and re-terminate.
- Provide new Metasys VMA controller with NetStat zone temperature sensor for control of existing VAV terminal box (Quantity=97). Re-use existing hot water reheat control valves. Re-use existing enclosures, control cabling and re-terminate. Install new Cat3 cables from new VMA controllers to new zone NetStats that will replace existing Carrier zone sensors.
- Provide Metasys TEC3600 series network thermostat for control and monitoring of 4-Pipe FCU (Quantity=2). Re-use existing control valves. Re-use existing enclosures, control cabling and re-terminate.

- Demand Ventilation Control
- Provide new electronic modulating actuators for existing AHU mixing dampers (Quantity=3) to implement demand ventilation strategies.
- Install new zone CO₂ sensor for each of 3 AHUs.
 - Hot Water Reset / Boiler Optimization
- Provide additional Metasys cabling to implement hot water supply temperature reset strategy on existing boiler (Quantity=1)

Metasys ADX System Graphics

- Provide new dynamic color graphic upgrades and improvements to the existing Metasys graphics residing on the existing ADX server to reflect Metasys system additions and modifications that are included in this project.
- The upgraded graphics will include a state map identifying all included Metasys system locations, a site map for each Metasys facility, floorplan graphics detailing primary HVAC system locations, primary HVAC system flow diagram graphics and terminal box summary graphics.

General Exclusions

- Excludes IT infrastructure (understood to be existing and functioning properly) — Customer IT department to provide IT drops located within each building as required by BREP.
- Wherever existing control devices (e.g., pneumatic thermostats, electric thermostats) are to be replaced with new DDC controls, the existing electrical conduit system (e.g., tubing, wiring, raceway) serving the existing devices will be demolished (if not suitable for re-use) back to ceiling spaces and walls, capped and abandoned in place.
- Excludes new controls for systems (e.g., unit heaters, fan coil units, baseboard heaters, radiant heaters, humidifiers) other than those systems specifically noted as part of the Work.
- Excludes repair or replacement of any high voltage electrical service, starters, VFDs and/or disconnects, unless specifically noted otherwise as part of the Work.
- Excludes repair or replacement of defective mechanical, electrical and/or controls equipment, other than the equipment specifically included in the EOI description. BREP will identify the location of defective equipment and notify the owner.
- Excludes repair or replacement of any existing mechanical safety devices (e.g., firestats, freezestats, duct smoke detectors) unless specifically noted otherwise as part of the Work. It is assumed that existing safety devices are in good operating condition and will be re-used.
- Where included in the Work, new VFDs will be installed on existing motors with existing line and load side wiring re-used wherever possible. Motor replacements are not included in the Work.
- Excludes repair or upgrades required to bring the HVAC, electrical and mechanical systems up to code, unless specifically noted otherwise as part of the Work.
- Excludes air and water balance of the existing HVAC and mechanical systems unless otherwise specified in the scope of Work.
- Modification of existing building ventilation conditions and/or indoor air quality monitoring/control are excluded, unless specifically noted otherwise as part of the Work.
- Excludes repair, replacement, re-calibration or re-commissioning of Third Party laboratory controls and/or fume hood equipment and controls.
- Excludes temporary space conditioning, unless otherwise specified.
- Excludes painting of electrical raceway systems, junction boxes, pneumatic tubing, etc.
- Excludes engineering services, studies and analysis associated with any exclusions or work clearly outside of the Work definition. Excludes resolution of existing HVAC design, service and/or distribution conditions, known or unknown.
- Excludes Duct and coil cleaning
- Excludes any controllers required for future capacity.

- Excludes refrigerant monitoring system (RMS) and/or associated exhaust fan interlocks and SCUBA equipment, unless specifically noted otherwise as part of the Work.
- Where existing thermostats are replaced by new Metasys thermostats, existing thermostat guards will be preserved and reused.
- Excludes the provision and/or installation of access doors and/or panels, neutralizers or sound attenuators, thermometers or gauges
- Excludes provision or installation of any fire alarm modules and duct smoke detectors. No fire alarm devices of any kind are included.
- Excludes interlock wiring and/or monitoring of Fire / Smoke Dampers, Fire/Smoke dampers except where specifically noted otherwise to be part of the Work.
- Excludes UL864 UUKL control system components and/or control sequences. New Metasys controls that are installed as part of the Work will be mapped directly to the existing BREP ADX server located in Baton Rouge. New ADX server(s) are not included in the Work.
- New local browser Operator Workstations with inkjet printers and LCD monitors, where specifically noted herein as part of the Work, will be provided for selected locations.
- Excludes replacement of any existing field devices, sensors, and controls except as explicitly stated herein.
- Excludes demolition and/or removal of any air compressors and/or air compressor accessories that may no longer be required following the control system upgrades that are included in the Work. No guarantee is given or implied that all pneumatic control devices will be removed/replaced as part of the Work at any given site. It is expected that some existing pneumatic end devices will remain (e.g., pneumatic smoke dampers, pneumatic thermostats, etc.) and will require existing air compressor systems.
- Excludes the complete upgrade of all Metasys sites to BACnet MS/TP functionality. Where specifically noted in this Scope of Work, selected sites will have new Metasys BACnet MS/TP controls installed on specific systems. However, many sites will remain entirely on Metasys N₂ controls, while others will be served by a combination of Metasys BACnet MS/TP and Metasys N₂ controls (e.g., Senator Chris Ullo Building, Brandywine, South Central Plant, North Central Plant) at the conclusion of the Work.
- BREP will notify Customer where there is not access to non-lay-in/ACT ceilings.
- Excludes provision of labor and materials to execute Test and Balance services, except where specifically noted otherwise as part of the Work. Where “Assist in re-balancing of existing variable air volume systems” is noted as part of the Work, BREP. will perform Metasys software modifications only in support of the 3rd Party Test and Balance Contractor tasked with testing/re-balancing existing VAV air systems. Note: All other Test and Balance contractor labor and materials are provided by others outside of this Scope of Work.

EOI 3 Water Conservation

General

This EOI will replace the existing fixtures with new water-efficient fixtures per Attachment 1-A(ii). The scope of work includes the one-for-one replacement of existing fixtures in restrooms and kitchenettes. This improvement includes retrofitting the specified equipment to the corresponding flow rates:

- Non-tank toilets - replace existing fixtures with new 1.28 gallons per flush (gpf) fixtures and piston valves.
- Tank toilets – replace existing tank toilets with new 1.0 gpf tank toilets
- Replacement of existing tank-type toilets with new tank-type fixtures appropriate for the application.
- Urinals - replace and retrofit existing fixtures with 0.125 gpf fixtures and piston valves.
- Sink faucets - install new 0.5 gallons per minute (gpm) multi-laminar spray faucets/flow control devices on existing faucets
- Kitchenette and general purpose faucets – install new 1.0 gpm laminar flow faucets/flow control devices on existing faucets

A complete detailed listing of each existing fixture and associated replacement fixture is indicated in Attachment 1-A(ii), Domestic Fixture Line by Line worksheet.

Demolition and Removal Work

BREP will remove and dispose of existing toilets, flush valves, faucet modulators, and other materials generated during the installation of this EOI in accordance with Federal, State, and Local regulations in effect at the time of contract signing.

New Installation Work

BREP will provide the labor and material for the installation of the fixtures defined in Attachment 1-A(ii).

Exclusions

- Repair or replacement of defective equipment, other than the equipment specifically described in this section. BREP will identify the location of defective equipment and notify the customer.
- Repairs to cracked, damaged, and leaking sinks and faucets. BREP will identify the location of defective equipment and notify the customer.
- Broken toilet flanges repairs in quantities over 5%.
- Broken carriers for wall mount toilets and urinals.
- Labor and materials to replace shutoff valves or repair main water valves that do not close completely or that will not fully reopen.
- Labor and materials to repair previously deteriorated plumbing not associated with the work defined in this scope.
- BREP will not repair or replace corroded wall-hung toilet drain pipes unless specified.

- Painting, tile work, and wall repair outside of footprint related patching are excluded. Pre-existing damage to walls or flooring will be brought to the attention of Customer and the best course of action will be determined. BREP will repair any damages caused by installation. BREP will attempt to match the existing conditions, but where unique tile or paint is present it may require the owner to supply material.
- Operation, repair, or replacement of existing cold and hot water isolation valves and risers associated with existing toilets, urinals, and faucets
- Any and all ADA bathroom partitions, grab bars, extensions, sink faucet actuators, piping insulation, or other ADA requirements are hereby excluded from this proposal. BREP does not take responsibility for any existing or future ADA compliance issues, and, if required to modify bathrooms or fixtures to meet an ADA code this will be completed for an additional cost.
- Additional Work due to Customers water pressure to plumbing fixtures not being in the range of 25 to 85 psi.

EOI 4 Central Plant Optimization

The following scopes of work shall be performed.

Shreveport State Office Building

- Provide cooling tower isolation control valves (Quantity=1, 6", 2-way Butterfly and Quantity=1, 8", 2-way Butterfly)
- Provide new kW meter (Quantity=2) for existing Daikin and York chillers
- Provide new kW meter (Quantity=2) for existing cooling tower fans
- Provide VFD with Metasys interface for existing condenser water pumps (Quantity=2, 40HP, 460VAC, 3Ph)
- Variable Volume Chilled Water Pumping:
- Replace existing manual butterfly isolation valves with electronic butterfly valves to automate series/parallel chiller changeover (Quantity=3, 8", 2-Way butterfly valve; Quantity=1, 6", 2-way Butterfly valve)
- Provide chilled water differential pressure transmitter (Quantity=2), one at West Tower rooftop AHU-P1 and another at East Tower AHU-10E.
- Provide new chiller minimum flow CHW valve (6", 2-way, characterized ball valve)
- Replace existing 3-way AHU CHW valves with 2-way electronic CHW valves (Quantity=3) serving AHUs SB-1, SB-2 and B-2
- Close manual bypass valve on existing 3-way chilled water valves serving AHU P-1 and AHU P-2 on roof
- Provide VFD with Metasys interface for CHW pumps (Quantity=3, 60HP, 460VAC, 3Ph)
- Provide Onicon FB-3500 chilled water flow meter (Quantity=1) to monitor total chilled water plant flow.
- Upgrade existing chilled water plant controllers from DX-9100 to Metasys NCE controller.
 - Implement and program a new chiller plant optimization sequence of operation for the chillers, pumps and cooling towers.
 - Provide Optimization tuning of the chiller plant to achieve optimal plant kW/ton efficiency.

Alexandria

- Variable Volume Chilled Water Pumping:
- Provide chilled water differential pressure transmitter at end-of-line AHU-3 on Floor-2 (Quantity=1)
- Provide VFD with Metasys interface for existing CHW pumps (Quantity=3, 15HP, 208VAC, 3Ph)
- Replace existing 3-way chilled water valve at AHU with new 2-way electronic control valve (Quantity=11)
- Provide new 2-way, 3", Characterized ball valve, modulating, for chilled water de-coupler line (Quantity=1)
- Provide new Onicon FB-3500 magnetic insertion flow meter for building chilled water flow
 - Implement and program a new chiller plant optimization sequence of operation for the chillers, pumps and cooling towers.
 - Provide Optimization tuning of the chiller plant to achieve optimal plant kW/ton efficiency.

North / South Chiller Plant – CPO+

- Site Prep

- Review EMCS Points and Control Sequences
- Install CPO NAE
- Write CPO/EMCS Integration Spec & Test Plans
- Integrate CPO Operational Tool Inputs from EMCS
- Integrate CPO Operational Tool Outputs to EMCS
- Execute CPO/EMCS Integration Test Plan
- Modify EMCS Code
- Execute Test Plans
- Install and Configure CPO Operational Tool Server
 - Operational Tool Software Installation & Commissioning
- Configure Site Specific UX/UI
- Configure Utility Pricing
- Configure Site Specific Operational Constraints
- Configure Site specific Reporting Features
- Configure Schedules
- Connect Inputs between CPO Operational Tool and CPO NAE
- Prepare for Advisory Mode
- Follow CPO Operational Tool in Advisory
- Connect Outputs between CPO Operational Tool and CPO NAE
- Prepare for Auto Mode
- Operate in a Limited and controlled auto mode
- Operate in full auto mode
- Provide three (3) four (4) hours training sessions onsite.

North Plant

- Provide new Veris kW meter (Quantity=4) in existing chiller starters (4160VAC) and connect each to new BACnet MS/TP trunk.
- Provide new Veris kW meter (Quantity=3) in existing CHW pump VFDs (480VAC) and connect each to new BACnet MS/TP trunk.
- Provide new Veris kW meter (Quantity=8) in existing Clg tower Fan VFDs (480VAC) and connect each to new BACnet MS/TP trunk.
- Provide new VFD for existing condenser water pumps (Quantity=4, 60HP, 460VAC, 3Ph) and connect each to the BACnet MS/TP trunk that originates at the NCE in the main chiller control panel. These new VFDs will have integral disconnects and are to be installed in place of the existing CDWP motor disconnects located on the wall next to each pump. Provide the following new I/O cabling to each CDWP VFD from the existing “CH-4 control panel” located next to the main chiller control panel:
- CDWPx-C, S (Quantity=4)

- CDWPx-O (Quantity=4)
- CDWPx-ALM (Quantity=4)
- Provide new Onicon FB-3500 Magnetic Insertion Flow Meter and associated temperature wells for loop CHWS-T and CHWR-T for North Plant chilled water Btu (Quantity=1). Install new SYSTEM-10-BAC Btu monitoring station on wall near new flow meter and new cabling to the flow meter and two new temperature sensors in the wells provided. Provide 120VAC to the Btu monitoring station and BACnet MS/TP trunk connection.
- Provide new Differential Pressure Transmitter to measure pressure across chiller condenser for purposes of measuring condenser flow (Quantity=4)
- Provide new Differential Pressure Transmitter to measure pressure across chiller evaporator for purposes of measuring chilled water flow (Quantity=4)
- Metasys Controls (Chiller Plant):
 - The existing chiller plant is served by Metasys N₂ controls. Most of the chiller plant and adjoining DPS/Archeology space is to be converted to BACnet. However, there are a few existing integrations that need to remain N₂, so the existing NAE-40 serving the Plant will remain N₂ to maintain the existing N₂ integrations. Two new NCEs will be installed (one in chiller plant and one at DPS AHU-2) to convert the remaining systems to BACnet. Re-use existing enclosures, cabling, conduit, sensors, VFD, flow meters and control valves serving central plant, unless noted otherwise.
- The existing NAE-40 and associated N₂ trunk is to be preserved, since it serves several existing VFDs and chillers that have N₂ communication gateways that are to be preserved. New local UPS backup panel to be provided for existing NAE-40 panel.
- Existing chiller plant control panel retrofit (24x36 enclosure containing 2 existing DX-9100's with 4XT/6XP Modules): Replace existing Metasys DX/XT/XP controllers with new Metasys BACnet NCE & IOM controllers as follows:
 - Control Panel Row-1: Install new NCE2560 and IOM4711
 - Control Panel Row-2: Install IOM4711, IOM4711 and IOM3721
 - Re-use existing enclosure, control transformers and relays.
 - Install Cat6 from new NCE to nearest IT port, Re-terminate existing I/O cables
 - Extend SA Bus from the new NCE to the three IOM4711s and one IOM3721 in daisy-chain fashion.
 - Extend the SA Bus from this panel over to the nearby Chiller-4 control panel.
 - New local UPS backup panel to be provided for existing chiller plant control panel.
- Existing Chiller-4 Control Panel Retrofit: Replace existing DX-9100 controller with two new IOM4711's that are to be terminated to the SA bus extended from the chiller plant control panel. Re-terminate existing I/O cables. New UPS backup to be provided for existing Chiller-4 control panel.
- Existing Trane Integrator Panel: No Change. Preserve this existing N₂ Panel.
- Install new Metasys BACnet MS/TP FEC26 controller to replace existing N₂ controller serving the following systems located in the chiller plant:
- Re-use existing enclosures, field devices and cabling:
 - **Plant AHU-1:** Replace UNT (N₂=6) with FEC2611, re-terminate existing I/O & connect to MSTP originating at NCE in the chiller plant control panel. Install new Cat3 cable to new NETSTAT that is to replace existing Metastat zone temperature sensor. Terminate existing FRZ-S and THL-S cables together under a single BI.

- **Plant AHU-2:** Replace UNT (N₂=7) with FEC2611, re-terminate existing I/O & connect to MSTP originating at NCE in the chiller plant control panel. Install new Cat3 cable to new NETSTAT that is to replace existing Metastat zone temperature sensor. Terminate existing FRZ-S and THL-S cables together under a single BI.
- **UNT111 Panel (N₂=26):** Replace UNT (N₂=26) with FEC2611, re-terminate existing I/O & connect to MSTP originating at NCE in the chiller plant control panel.
- **Plant Office FCU-1:** Replace UNT (N₂=10) with FEC2611, re-terminate existing I/O & connect to MSTP originating at NCE in the chiller plant control panel. Install new Cat3 cable to new NETSTAT that is to replace existing Metastat zone temp sensor.
- Metasys Controls (Adjoining DPS/Archeology Building):
- **DPS AHU-2:** Replace existing Metasys DX controller (N₂=15) with new Metasys BACnet NCE controller
 - Re-use existing enclosure, control transformers and relays.
 - Install Cat6 from new NCE to nearest IT port
 - Re-terminate existing I/O cables
 - The existing N₂ trunk serving existing controllers in the DPS part of the building will be re-used as a new BACnet MSTP Bus from the new NCE to the replacement BACnet MS/TP field controllers described below
- **DPS AHU-1:** Replace DX-9100 with FEC2611 (N₂=14, re-terminate existing I/O cables & connect to new MSTP). Replace existing Metastat with new NETSTAT along with a new Cat3 NETSTAT cable.
- **DPS VAV Terminal Box with Elect RH (Quantity=10)** (Replace N₂ VAV controller with VMA, re-term 4 I/O & re-use existing N₂ trunk for new MSTP, replace existing zone Metastat with new NetStat using new Cat3 cable)
- **FCU Serving OSB Storage Rm.109:** Field install new TEC thermostat and connect to a new segment of MSTP trunk. Terminate TEC to existing FCU via new Thermostat Cable. Install and terminate to the following additional new I/O points:
 - DA-T
 - CHWV-O
 - EDH-C
 - SF-C, New CSR located at starter
- **FCU-2 Serving OSB Storage Rm.108:** Field install new factory-fabricated FEC control panel (20x24) and connect to a new segment of MSTP trunk and to 120VAC. Install new NETSTAT Cable (Cat3) and NETSTAT to replace existing zone thermostat. Install and terminate to the following additional new I/O points:
 - DA-T
 - CHWV-O
 - EDH1-C
 - EDH2-C
 - SF-C, New CSR located at starter
- **FCU-1 Serving OSB Storage Rm.107:** Field install new factory-fabricated FEC control panel (20x24) and connect to a new segment of MSTP trunk (available at existing FC-4 panel) and to 120VAC. Install new NETSTAT Cable (Cat3) and NETSTAT to replace existing zone thermostat. Install and terminate to the following additional new I/O points:
 - DA-T

- CHWV-O
 - EDH1-C
 - EDH2-C
 - SF-C, New CSR located at starter
- **DPS CHW System** (Replace UNT with FEC, re-terminate existing I/O cables & connect to MSTP).
 - **DPS Floor-2 CRT FCU's-1, 2, 3, 4** (Replace each UNT with FEC, re-terminate existing I/O cables & connect to MSTP). Replace existing Metastats with new NETSTATs and new Cat3 NETSTAT cables. These four FCUs have wild CHW coils. Install a new 2-way, electronic control valve on each. Install new cable from each new CHWV to respective FEC controller.
 - **CRAH-1 & 2 Units Control Panel** (Replace UNT-19 with FEC, re-terminate existing I/O cables & connect to MSTP). Re-use existing cabling and sensors, including zone sensors.
 - **CRAH-3 & 4 Units Control Panel** (Replace UNT-18 with FEC, re-terminate existing I/O cables & connect to MSTP). Re-use existing cabling and sensors, including zone sensors.
 - **FCU-3 Serving Office 101:** Field install new factory-fabricated FEC control panel (20x24) and connect to a new segment of MSTP trunk (available at existing FC-4 panel) and to 120VAC. Install new NETSTAT Cable (Cat3) and NETSTAT to replace existing zone thermostat. Install and terminate to the following additional new I/O points:
 - DA-T
 - CHWV-O
 - EDH1-C
 - EDH2-C
 - SF-C, S New CSR located at starter
 - Preserve existing N₂ trunk to the Btu Meter located on Flr-2 of DPS building)

South Chiller Plant

- Metasys Controls:
- **General:** The existing chillers have N₂ interfaces that are to be preserved. For this reason, the existing NAE serving the plant (NAE-09) will be left as an N₂ supervisory controller for integration to the six existing chillers. The other N₂ controllers serving the plant will be converted to BACnet MS/TP. New UPS backup to be provided for existing NAE-09 panel.
- **Panel EN-10:** Replace existing DX-9100 controller and XT/XP modules in this panel with (Quantity=1) NCE controller and (Quantity=2) IOM4711 controllers. Re-terminate existing I/O cables. Install new Cat6 Ethernet cable to nearest IDF in plant. Re-use existing N₂ trunk as new MSTP trunk. New UPS backup to be provided for existing Control Panel EN-10.
- **Panel EN-9:** Replace existing DX-9100 controller and XT/XP modules in this panel with (Quantity=2) IOM4711 controllers. Re-terminate existing I/O cables. Connect the 2 new IOM modules to the NCE in panel EN-10 via new SA Bus (2 pair/#22/shd). Re-use existing N₂ trunk as new MSTP trunk. New local UPS backup panel to be provided for existing Control Panel EN-9.
- **Panel EN-11:** Replace existing DX-9100 controller and XT/XP modules in this panel with (Quantity=1) NCE controller and (Quantity=1) IOM4711 controllers. Re-terminate existing I/O cables. Install new Cat6 Ethernet cable to nearest IDF in plant. Re-use existing N₂ trunk as new MSTP trunk. New local UPS backup panel to be provided for existing Control Panel EN-11.

- **Panel EN-12:** Replace existing DX-9100 controller and XT/XP modules in this panel with (Quantity=3) IOM4711 controllers. Connect the 3 new IOM modules to the NCE in panel EN-11 via new SA Bus (2 pair/#22/shd). Re-terminate existing I/O cables. Re-use existing N₂ trunk as new MSTP trunk. New local UPS backup panel to be provided for existing Control Panel EN-12.
- **Panel EN-13:** Replace existing UNT controller with (Quantity=1) FEC2611 controller. Re-terminate existing I/O cables. Re-use existing N₂ trunk as new MSTP trunk.
- **Panel EN-14:** Replace existing UNT controller with (Quantity=1) FEC2611 controller. Re-terminate existing I/O cables. Re-use existing N₂ trunk as new MSTP trunk.
- **Panel EN-15:** Replace existing UNT controller with (Quantity=1) FEC2611 controller. Re-terminate existing I/O cables. Re-use existing N₂ trunk as new MSTP trunk.
- **Panel EN-16:** Replace existing UNT controller with (Quantity=1) FEC2611 controller. Re-terminate existing I/O cables. Re-use existing N₂ trunk as new MSTP trunk.
- **Panel EN-17:** Replace existing UNT controller with (Quantity=1) FEC2611 controller. Re-terminate existing I/O cables. Re-use existing N₂ trunk as new MSTP trunk.

New Cabling to Existing Power Meters: There are two existing Veris E50 power meters outside in the electrical yard. Extend new ¾" conduit containing two cables from nearest Metasys control panel to Electrical Room and outside to the two existing meters located on each side of an existing 13,800VAC Electrical Distribution Panel. These existing power meters are BACnet MSTP compatible. Terminate each meter to BACnet MS/TP trunk extended from the main Electrical Room. Install data surge protection where BACnet MS/TP trunk exits the main Electrical Room.

- Provide Veris kW meter (Quantity=6) for exist chillers & connect to BACnet MS/TP trunk
- Install new Veris kW meter (Quantity=3) for exist CHW pumps & connect to BACnet MS/TP trunk
- Provide new Veris kW meter (Quantity=6) for exist CDW pumps & connect to BACnet MS/TP trunk
- Provide new Veris kW meter (Quantity=12) for exist CT Fans & connect to BACnet MS/TP trunk
- Provide new Onicon FB-3500 Magnetic Insertion Flow Meter (to replace existing F-1200 series flow meter) for South Plant chilled water flow. Install new 6c/#18/shd cable from this flow meter (to replace existing cable, but re-use conduit) to new Btu meter on wall below (Quantity=1)
- Provide new Onicon SYSTEM-10-BAC Btu Meter for South Plant chilled water Btu measurement. Mount on wall adjacent to existing Metasys panels near CHW pumps. Provide 120VAC and BACnet MS/TP to this Btu Meter. (Quantity=1)
- Replace existing SCHWS-T and SCHWR-T sensors with new sensors that are provided with the Onicon Btu meter. Re-use existing wells. Terminate temperature sensors to new Btu Meter. (Quantity=2)
- Provide new Onicon FB-3500 Magnetic Insertion Flow Meter (to replace existing F-1200 series flow meter) for South Plant chilled water flow. Install new 6c/#18/shd cable from this flow meter (to replace existing cable, but re-use conduit) to new Btu meter on wall below (Quantity=1)
- Provide new Onicon SYSTEM-10-BAC Btu meter for South Plant AHU chilled water loop Btu measurement. Mount on wall adjacent to existing Metasys panels near CHW pumps. Provide 120VAC and BACnet MS/TP to this Btu Meter. (Quantity=1)
- Provide new Differential Pressure Transmitter to measure pressure across chiller condenser for purposes of measuring condenser flow (Quantity=6)
- Provide new Differential Pressure Transmitter to measure pressure across chiller evaporator for purposes of measuring chilled water flow (Quantity=6)

- Replace existing AHU CHW Loop CHWS-T and CHWR-T sensors with new sensors that are provided with the Onicon Btu meter. Re-use existing wells. Terminate temp sensors to new Btu Meter. (Quantity=2)

Chiller VFD Retrofit

- This scope of work details the installation of one (1) 4160 volt, 3 phase Variable Speed Drive (VSD) on one of the existing six (6) chillers, 1200 tons each, located in the South Central chiller plant. Furnish and install one (1) new York OptiSpeed VSD on one of six chillers, located in the South chiller plant. Final chiller selection will be determined at the time of installation.
- Furnish and install 4160 volt power wiring between the existing power source and the new VSD, and between the VSD and the compressor drive motor. Compressor motor full load is 125 amps. Provide 460 volt 3 phase oil pump wiring from VSD to oil pump starter.
- Install new PRV Vane Pot Kit.
- Provide cooling water circuit to VSD.
- Remove existing chiller starter components and use the existing cabinet as a junction box.
- Provide new housekeeping pad to support new VSD dimensions.
- Install BACnet MS/TP trunk to new VFD serving the retrofitted chiller.
- Provide supervision, start-up and commissioning services for the VSD Retrofit.

General Exclusions

- Repair or replacement of defective mechanical, electrical and/or controls equipment, other than the equipment specifically described in the EOI description. BREP will identify the location of defective equipment and notify the owner.
- Repair or upgrades required to bring the any systems or equipment up to code, including the HVAC, electrical and mechanical, other than the specifically described in this scope of work.
- Resolution of existing design, service, and or distribution conditions known or unknown.
- Temporary space conditioning, unless otherwise specified.
- Engineering services, studies and analysis associated with any exclusions or work clearly outside of the scope definition. Resolution of existing HVAC design, service and/or distribution conditions, known or unknown.

EOI 5 Chiller Replacements

The following scopes of work shall be performed.

Demolition and Removal Work

- Disconnect, remove and properly dispose of chilled water and condenser water piping to nearest isolation valves or as required for new installation.
- Disconnect, remove and properly dispose of all other materials or debris related to this project.
- Remove and properly dispose of old refrigerant and oils impacted by this installation in accordance with federal, state, and local requirements in effect at the time of execution of this Agreement.
- Disconnect, remove and properly dispose existing chillers in Table 2 below.

Controls

- Disconnect and secure the EMCS connection.

Electrical

- Disconnect and secure electrical connections to the chiller(s).

New Installation Work

Mechanical

- Provide and install new chillers as listed in Table 2.

Table 2: Chillers to be Replaced

Facility Name	Chiller Location		Quantity	Make	Model #	Capacity (tons)
Brandywine SOB 3	Central Plant	Existing>	1	McQuay	WHR120E	120
		Proposed>	1	York	YCWL	120
Brandywine SOB 6	Central Plant	Existing>	1	McQuay	WHR100E	100
		Proposed>	1	York	YCWL	100
Brandywine SOB 6	Central Plant	Existing>	1	McQuay	WHR100E	100
		Proposed>	1	York	YCWL	100

- Refrigerant HFC-134A, or HFC-410a
- Each new chiller and controls to comply with applicable regulations in effect at the time of contract signing
- Verify existing housekeeping pad is of adequate size for new chiller. If not, extend existing housekeeping pad to fit new chiller dimensions. Furnish and install seismic restraints and vibration isolation as required.
 - Each chiller shall be located in the existing location with chilled water piping, condenser water piping and other piping extended as required for connection
 - Connect chilled water piping to each new chiller. Match the existing pipe size.
 - Connect condenser water piping to each new chiller. Match the existing pipe size. Connect the refrigerant relief piping to each new chiller.
 - Insulate new piping, valves and fittings as required to match existing system
 - Provide and install new refrigerant monitor as required to comply with new refrigerant type, if applicable.
 - Start-up, checkout and verify modes (stages) of operation.
 - Reuse existing piping, pipe fittings, pipe hangers, isolation valves, strainers, check valves, thermal wells, and pressure sensor wells where feasible and serviceable.
 - Connect factory-mounted and wired controls.
 - Disconnect and connect to existing controls and control valves.
 - Provide interface with existing EMCS system as necessary for start/stop control.
 - Install each new chiller per manufacturer's criteria and Local Codes in effect at the time of execution of the Agreement
 - Flush new water pipe and chilled water lines and bleed air from the system.
 - Brandywine Chiller Isolation Valves:
- Close manual isolation valves at each chiller and chilled water pump discharge. Drain chilled water supply pipe section at each chiller.

- Remove section of pipe insulation, cut in and weld 6-inch flanges in chilled water supply pipe at each chiller and install “butterfly” type isolation valve. Replace removed section of existing pipe insulation with new insulation.
- Chiller isolation valve
 - Provide new chiller isolation butterfly valve, 2-way, 6” and interlock to chiller factory panel to open during chiller start-up sequence (Quantity=2).

Controls

- Brandywine III
- Install Metasys controls for new chiller to include Enable/Disable, Status, Alarm and N2 interface.
- Brandywine VI
- Install Metasys controls for new chiller to include Enable/Disable, Status, Alarm and N2 interface (Quantity=2).

I

Electrical

- Connect power to new chiller(s).

Start-Up and Checkout Forms, TAB and Training

- Start-up and checkout procedures typically come from the manufacturer. Provide start-up, checkout and verification of modes (stages) of operation. Provide NEBB certified testing, adjusting and balancing procedures in order to ensure new chiller has required design CW and CHW flow rates.
- Provide one time four (4) hours of customer training.

General Exclusions

- Repair or replacement of defective mechanical, electrical and/or controls equipment, other than the equipment specifically described in the EOI description. BREP will identify the location of defective equipment and notify the owner.
- Repair or upgrades required to bring the any systems or equipment up to code, including the HVAC, electrical and mechanical, other than the specifically described in this scope of work.
- Resolution of existing design, service, and or distribution conditions known or unknown.
- Temporary space conditioning, unless otherwise specified.
- Engineering services, studies and analysis associated with any exclusions or work clearly outside of the scope definition.

EOI 8 Boiler Replacements

Demolition and Removal Work

- Disconnect, remove and properly dispose of existing HHW boilers in Table 5.
- Disconnect, remove and properly dispose of existing HHW pumps in Table 6.
- Disconnect, remove and properly dispose of HW piping to nearest isolation valves or as required for new installation.
- Disconnect, remove and properly dispose of natural gas piping to nearest isolation valves or as required for new installation.
- Disconnect, remove and properly dispose of gas flue as required.
- Disconnect, remove and properly dispose of other materials or debris related to this project.

Controls

- Disconnect and secure the EMCS connection.

Electrical

- Disconnect and secure electrical connections to the HHW boilers in Table 5.
- Disconnect and secure electrical connections to the HHW pumps in Table 6.

New Installation Work

- Provide and install new HHW boilers in Table 5.
- Condensing
- Modulating burner
- High Efficiency >90%
- New boiler to have boiler management system.
- New boiler to have BACnet capability for operation verification only by EMCS.
- Boilers and controls to comply with applicable regulations in effect at the time of contract signing
- Provide U.L. labeled burner(s).
- Verify existing housekeeping pad is of adequate size for new boiler. If not, extend existing housekeeping pad to fit new boiler dimensions (minimum 4 inches in height and minimum of 4 inches larger than boiler supporting frame on all sides). Furnish and install seismic restraints and vibration isolation as required.

Table 5: Heating Hot Water Boilers to be Replaced

Customer. Asset ID #	Facility Name	Boiler Location		Quantity.	Max Output per Boiler (MBH)	Boiler Efficiency:
B-1, B-2,	Capitol Annex	Boiler Room	Existing>	2	1,260	=>90%
			Proposed>	2	953	=>92%
B-1	State Library	Mech Room	Existing>	1	5,200	=>80%
			Proposed>	1	4,630	=>92%
B-2	State Library	Mech Room	Existing>	1	3,600	=>80%
			Proposed>	1	2,899	=>92%

- Provide and install new HHW pumps as in Table 6.
- Close-coupled In-line pumps required.
- Furnish and install new pipe, valves, fittings, and hydronic accessories as required for installation.
- Verify existing hanger support is of adequate size for new pump. If not, provide and install new pump hanger support system. Furnish and install seismic restraints and vibration isolation if required by codes in effect at the time of contract signing.

Table 6: Heating Hot Water Pumps to be Replaced

Customer. Asset ID #	Facility Name	Pump Location		Quantity.	Pump HP	Pump gpm
HWP 3	State Library	Mech Room	Existing>	1	25	525
			Proposed>	1	25	525
HWP 4	State Library	Mech Room	Existing>	1	25	525
			Proposed>	1	25	525

- The boilers shall be located in the existing location with gas piping, hot water piping and other piping extended as required for connection.
- Reconnect HHW Piping to the new boilers. Match the existing pipe size.
- Reconnect natural gas piping to the new boilers. Match existing pipe size.
- Insulate new piping, valves and fittings as required to match existing system.
- Verify existing housekeeping pad is of adequate size for new pump. If not, extend existing housekeeping pad to fit new pump/motor dimensions (minimum 4 inches in height and minimum of 4 inches larger than pump/motor supporting frame on all sides). Provide boiler pad if use of existing is inadequate.
- Provide and install new flue as required.
- Provide and install piping to nearest existing drain for boiler condensate.
- Patch and repair new penetrations.

- Reuse existing piping, pipe fittings, pipe hangers, isolation valves, strainers, check valves, thermal wells, and pressure sensor wells where feasible and equipment serviceable.
- Reconnect to existing controls and control valves.
- New hot water pumps to be installed in the same location as existing pumps.
- Provide interface with existing EMCS as necessary.
- Flush new water pipe and bleed air from the system.

Controls

Capitol Annex

- Reconnect the following existing points
 - BLR1-ALM
 - BLR2-ALM
 - BLR1-C
 - BLR2-C
 - BLR1-S
 - BLR2-S

State Library

- For each of two new HW Boilers, furnish Metasys controls to terminate to the existing FEC Controller (located in panel EN-CHW) serving the HW system:
 - BACnet MS/TP (3c/#22/shd) to Boiler Factory Gateway card
 - BLR-ENA (RIB Relay and 2c/#18) new cable
 - BLR-S (2c/#18) new cable
 - BLR-ALM (2c/#18) new cable
 - BLRSET-O (2c/#18) new cable

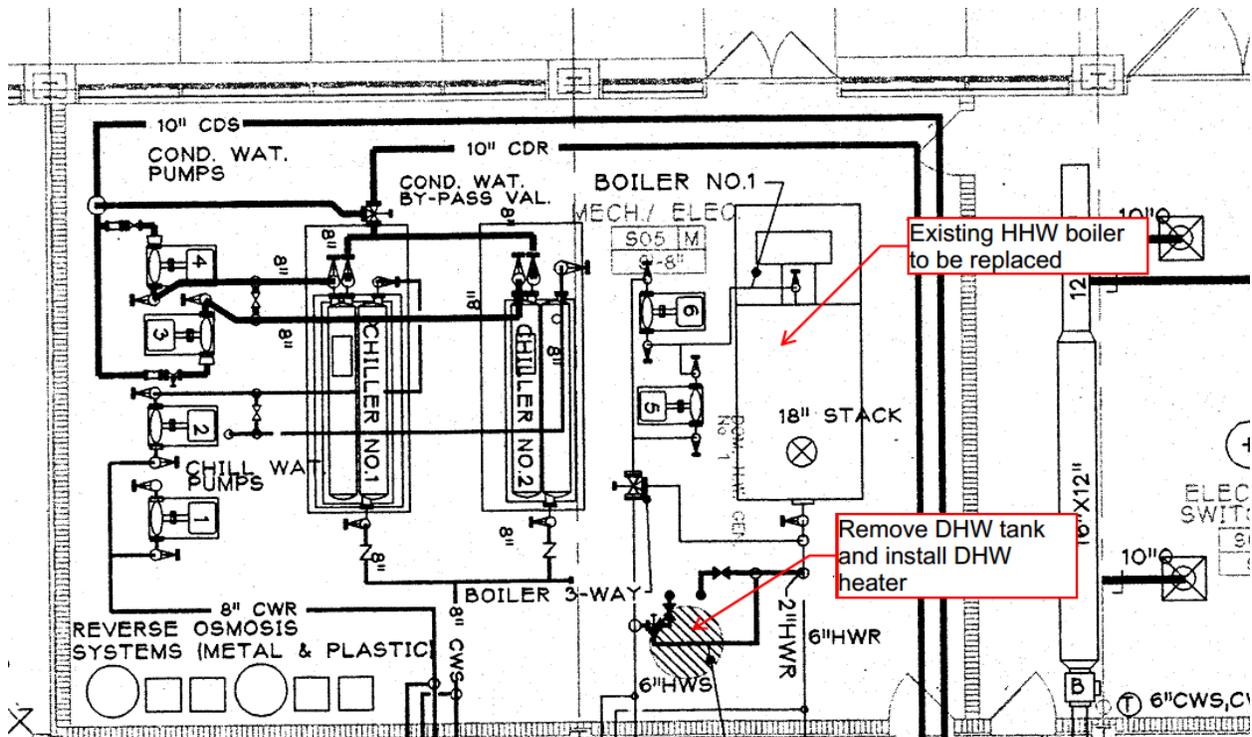
Electrical

- Connect power to new boilers. Reuse existing electrical devices and wiring.
- Connect power to HW pumps. Reuse existing electrical devices and wiring.

EOI 11 Separate HHW and DHW Systems – OPH Lab

Demolition and Removal Work

- Disconnect, remove and properly dispose of existing HW boilers in Table 7.
- Disconnect, remove and properly dispose of HW piping to nearest isolation valves or as required for new installation.
- Disconnect, remove and properly dispose of DHW tank with water-to-water heat exchanger.
- Disconnect, remove and properly dispose of natural gas piping to nearest isolation valves or as required for new installation.
- Disconnect, remove and properly dispose of gas flue as required for new installation.
- Disconnect, remove and properly dispose of other materials or debris related to this project.
- Remove existing DHW tank and install new DHW heater in location below.



Electrical

- Disconnect and secure electrical connections to the HW boilers in Table 7.

New Installation Work

- Provide and install new HW boilers in Table 7.
- Condensing Modular
- Modulating burner
- High Efficiency >90%
- New boiler to have Modbus gateway capability for operation verification only by EMCS.

- Boilers and controls to comply with applicable regulations in effect at the time of contract signing
- Provide U.L. labeled burner(s).
- Fulton, Aerco, or BREP approved equal.
- Verify existing housekeeping pad is of adequate size for new boiler. If not, provide and install new concrete housekeeping pad (minimum 4 inches in height and minimum of 4 inches larger than boiler supporting frame on all sides). Furnish and install seismic restraints and vibration isolation as required.

Table 7: Hot Water Boilers to be Replaced

Customer Asset ID #	Facility Name	Boiler Location		Quantity	Make	Model #	Max Output per Boiler (MBH)	Boiler Efficiency
	OPH	Boiler Room	Existing>	1	Cleaver Brooks	FLX800	8000	83%
			Proposed>	2	Fulton or approved equal		3000	High Efficiency >90%
	OPH	Boiler	Proposed>	1	Raypak	WH7-1005A	969	96.5%

- The boilers shall be located in the existing location with gas piping, hot water piping and other piping extended as required for connection.
- Connect HW piping to the new boilers. Match the existing pipe size.
- Connect natural gas piping to the new boiler. Match existing pipe size.
- Insulate new piping, valves and fittings.
- Provide and install piping to nearest existing drain for boiler condensate.
- Patch and repair new penetrations.
- Reuse existing piping, pipe fittings, pipe hangers, isolation valves, strainers, check valves, thermal wells, and pressure sensor wells where feasible and equipment serviceable.
- Disconnect and reconnect to existing controls and control valves.
- Disconnect and reconnect to existing controls and control valves.
- Provide interface with existing building automation system as necessary.
- Clean up of job related debris, tools, and equipment after successful installation and operational check-out.
- Flush new water pipe and bleed air from the system.

Electrical

- Connect power to new boilers. Reuse existing electrical devices and wiring. If devices and wiring are found to be of insufficient size, insufficient length, or in poor condition, then replace.
- Provide new electric power service for new DHW heater, in accordance to manufacture’s requirements.

Controls

- Disconnect existing heating system Metasys control cabling from existing Cleaver-Brooks boiler prior to demolition and re-connect same following installation of new Fulton boiler.
- Provide Metasys integration (Quantity=1) to new Fulton heating hot water boiler via BACnet interface.

EOI 12 Retro-Commissioning

The buildings indicated below are included in the retro-commissioning scope of work listed below. The Retro-commissioning scope of work is to be performed on the existing building automation systems. Buildings listed as an upgrade of controls will receive new control sequences and a room ventilation schedule only.

#	Building Name	Floor Area (SF)
1	State Capital	298,391
2	Capital Annex	142,777
3	Pentagon Barracks	43,865
4	OSB Services Center	47,410
5	Information Services Building	60,863
6	Livingston Building	147,466
7	Poydras Building	110,000
8	First Circuit Court of Appeal	75,349
9	Claiborne Building	498,766
10	Welcome Center	12,275
11	State Museum	97,143
12	State Library	131,502
13	LaSalle Building	364,699
14	Iberville Building	282,792
15	Bienville Building	270,918
16	Galvez Building	368,606
17	Governor's Mansion	26,638
18	OPH Lab	80,889
19	Central Plant - South	11,961
20	Central Plant - North	22,500
21	State Supreme Court	210,000
22	Sen. Chris Ullo Building	125,720
23	Brandywine State Office Building III	38,159
24	Brandywine State Office Building VI	54,079
25	Alexandria State Office Building	73,470
26	Shreveport State Office Building	210,622
27	Second Circuit Court of Appeal	37,169
28	NELSOB	319,303

Scope of Work

- Review and modify sequences of operation for fan coil units, chillers, cooling towers, pumps, air handling units, air terminals, unit heaters, exhaust fans, heating water systems, and district energy systems in the building.
- Assign unique EMCS log-in and profile for each operator. Operator profiles including permitted access and actions are tailored to each specific operator.

- Create a procedure requiring operators to log-in and log-out each time they use the EMCS.
- Review and implement revised AHU weekly schedules based on the expected occupancy start and stop times and optimum start/stop algorithms.
- Review and implement weekly schedules for air terminals and fan coil units serving intermittently occupied areas based on expected occupancy start and stop times and optimum start/stop algorithms.
- Develop a detailed room ventilation schedule (RVS) for each facility. The schedule will identify floor area, ceiling height, room volume, outdoor air change requirement, total air change requirement, required pressure relationships, existing airflow setpoints, and proposed air flow setpoints. The completed RVS identifies the supply, return, and exhaust airflow requirements for each room. The RVS also identifies the air-handling unit and exhaust fan serving each space. The RVS includes a summary page identifying the supply, return, and minimum outside air (ventilation) airflow requirements for each air-handling unit as well as the exhaust airflow requirement for each exhaust fan.
- Modify reheat coil programming as indicated below:
 - Reheat control valve is modulated to maintain space temperature at setpoint.
 - Establish and implement minimum and maximum occupied mode thermostat setpoints for each reheat coil.
 - Establish and implement unoccupied heating setpoints for each reheat coil.
 - Modify air terminal programming as indicated below:
 - Occupancy mode is either occupied or unoccupied.
 - Heating water control valve is modulated open before the airflow is increased from the minimum heating setpoint to the maximum heating setpoint.
 - Establish and implement minimum and maximum occupied mode thermostat setpoints for each air terminal.
 - Establish and implement unoccupied heating and cooling setpoints for each terminal.
 - Establish and implement heating and cooling dead bands for each air terminal.
 - Adjust air flow settings for each air terminal to match RVS.
 - Verify proper terminal size and calibration constant for each air terminal. Modify programming if required.
 - Verify that each air terminal flow sensor is properly calibrated. Sensors that are identified as being out of calibration, will be calibrated. Sensors that cannot be calibrated will be brought to the customer's attention for replacement.
 - Verify that each terminal controller is equipped for automatic calibration. Controllers that are not equipment for automatic operation will be brought to the customer's attention for potential upgrade or replacements.
 - If the air terminal controller cooling loopout is monitored by BAS, the sequence will be modified such that air handling unit supply air temperature is reset between minimum and maximum setpoints based upon highest air terminal cooling loopout. Supply air temperature setpoint will be overridden as required to prevent space or AHU return air relative humidity from exceeding maximum setpoint.
 - If the air terminal controller air flow loopout is monitored by BAS the sequence will be modified such that air handling unit static pressure setpoint is reset between minimum and maximum setpoints based upon highest air terminal air flow loopout.

- Modify air handling unit programming as indicated below:
 - Develop and implement revised air-handling unit sequences of operation and setpoints for the following control strategies, if applicable: supply air temperature control, humidity control, economizer cycles, damper sequencing, supply air temperature setpoint reset, and supply air static pressure setpoint reset.
 - Verify that each AHU supply and return fan is equipped with a functioning VFD. Fans that are identified as not having a functioning VFD will be brought to the customer's attention for repair or upgrade.
 - Use a single PI loop with table statements for each device to control AHU supply air temperature.
 - Activate dry-bulb economizer cycles when the outdoor air dry bulb temperature is less than the return air dry bulb temperature (for the standard dry bulb type) or when the outdoor air temperature is less than a fixed setpoint (for the differential dry bulb type). Adjust outdoor air dry bulb temperature enable-and-disable setpoints to the climate.
 - Activate enthalpy economizers when the outdoor air enthalpy is less than the return air enthalpy (for the standard enthalpy type) or when the outdoor air enthalpy is less than a fixed setpoint (for the differential enthalpy type). Replace the temperature and humidity sensors.
 - Air-side economizer cycles will be disabled as the first stage of humidification (AHUs equipped with humidifiers only).
 - Sequence outside air, return air, and relief air dampers in the proper order. Outside air damper should be modulated completely open prior to modulating closed the return air damper and modulating open the relief air damper.
 - Adjust minimum air flow setpoints to match the RVS.
 - Reset supply air static pressure setpoints between minimum and maximum setpoints based on the most open air terminal damper position.
 - Reset supply air temperature setpoints between minimum and maximum setpoints based on highest air terminal cooling demand.
 - Modify exhaust fan programming as indicated below:
 - Conduct the following testing of each exhaust fan over 5,000 cfm. Measure and record airflow, fan static pressure, fan speed, fan motor current, and fan motor electrical demand.
 - Rebalance exhaust systems to match (within 10%) the quantities indicated on the RVS. Verify that the exhaust fan airflows are equal to the sum of the room exhausts plus an allowance (20%) for duct leakage. If there is a significant discrepancy between the sum of the room exhausts and the fan exhaust airflow (indicating excessive leakage), this will be brought to the attention of the customer.
 - Verify that exhaust fans are interlocked with their associated air handling units such that exhaust fans are automatically stopped when their associated air handling unit is stopped and automatically started when their associated AHU is started. Exhaust fans that are not properly interlocked will be brought to the attention of the customer.
- Modify heating water system programming as indicated below:
 - Verify that all manual balancing valves (in variable flow systems only) are fully open. Manual balancing valves that are not fully open will be brought to the attention of the customer.

- Reset heating water differential pressure setpoint based on valve position or outside air temperature for variable systems only.
- Sequence heating water pumps in a lead-lag (not lead-standby) manner.
- Reset heating water supply temperature setpoint based on outside air temperature.
 - Modify fan coil unit programming as indicated below:
- Develop and implement revised fan coil unit sequences of operation and setpoints.
- Set fan coil unit controls to the lowest possible fan speed that meets the airflow required in the RVS.

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Wats	Post Wats	Pre Hours	Post Hours	Hour Group Code	Monthly kWh Saved	Existing kWh	Annual kWh Saved	
BIENBLDG	COMPUTER RM TYPE SP1	8	1X42L7SHOPEN	EXISTING 4FT 2 LAMP TSHO PEN FIXTURE	8	2D4FTTSH06800L	2LT 4FT TSHO W/6800L DRIVER	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP		100%	100	55	4687	4687.2	ESOO	0.72	0.32	3750	1687
BIENBLDG	COMPUTER RM TYPE B	3	2X44L78	2X4 4L T8 FIXTURE	3	4D4FT6400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP		90%	114	52	4687	4687.2	ESOO	0.31	0.17	1603	872
BIENBLDG	EMERGENCY TYPE A4	7	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	7	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP		100%	50	27	8760	8760	EM	0.35	0.16	3066	1410
BIENBLDG	EMERGENCY TYPE C	5	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	5	2D4FTTSH06800L1N8FT	2LT 4FT TSHO W/6800L DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE		100%	100	55	8760	8760	EM	0.50	0.23	4380	1971
BIENBLDG	EMERGENCY TYPE J	6	INC100WM	100W INCANDESCENT WALL MOUNT	6	NEWLED3DOORPE	13 WATT LED SMALL DOOR FIXT W/PE	13 WATT LED SMALL DOOR FIXT W/PE		100%	100	13	8760	8760	EM	0.60	0.52	5256	4573
BIENBLDG	HALL TYPE A4	4	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	4	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP		90%	50	27	5779	5779.4	ESH	0.18	0.08	1156	532
BIENBLDG	HALL TYPE D	2	INC90CM	90W INCANDESCENT CEILING MOUNT	2	LED12WPAR	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE		90%	90	22	5779	5779.4	ESH	0.16	0.14	1040	902
BIENBLDG	HALL TYPE G	29	F242	2-42W FLUOR FIXTURE	29	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL		90%	84	22	5779	5779.4	ESH	0.29	1.62	14078	10391
BIENBLDG	HALL TYPE N	4	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	4	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP		90%	50	27	5779	5779.4	ESH	0.18	0.08	1156	532
BIENBLDG	HALL TYPE O	6	MH175WP	175W METAL HALIDE WALL PACK	6	NEWLED50WP	50 WATT LED SMALL WALL PACK	NEW 50 WATT LED SMALL WALL PACK		90%	213	50	5779	5779.4	ESH	1.15	0.88	7386	5652
BIENBLDG	HALL TYPE T	72	INC75HAL	75 WATT HALOGEN FLOOD OR SPOT	72	LED12WPAR	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE		90%	75	12	5779	5779.4	ESH	4.66	4.08	31208	26215
BIENBLDG	HALL TYPE U	12	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	12	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP		90%	50	27	5779	5779.4	ESH	0.54	0.25	3468	1595
BIENBLDG	HALL TYPE U2	12	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	12	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP		90%	50	27	5779	5779.4	ESH	0.54	0.25	3468	1595
BIENBLDG	HALL TYPE W	14	F232	2-32 W FLUORESCENT FIXTURE	14	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES		90%	72	13	5779	5779.4	ESH	0.91	0.74	5826	4774
BIENBLDG	HALL TYPE SP2 1ST FLR	12	F257	2-57W FLUOR FIXTURE	12	LED30HWCUSTKIT	30 WATT LED CONVERSION KIT CUSTOM FIXT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES		90%	122	30	5779	5779.4	ESH	1.32	0.99	8461	6380
BIENBLDG	HALL TYPE SP3 1ST FLR	9	F257	2-57W FLUOR FIXTURE	9	LED30HWCUSTKIT	30 WATT LED CONVERSION KIT CUSTOM FIXT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES		90%	122	30	5779	5779.4	ESH	0.99	0.75	6346	4785
BIENBLDG	HALL TYPE SR1 1ST FLR	18	F442CUSTOM	4-42W FLUOR FIXTURE	18	LED40HWCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES		90%	168	40	5779	5779.4	ESH	2.72	2.07	17477	13316
BIENBLDG	LOBBY TYPE GO	2	F242	2-42W FLUOR FIXTURE	2	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL		90%	84	22	5779	5779.4	ESH	0.15	0.11	971	717
BIENBLDG	LOBBY TYPE F	4	MH150CM	150W METAL HALIDE CEILING MOUNT	4	LED40HWCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES		90%	175	40	5779	5779.4	ESH	0.63	0.49	4046	3121
BIENBLDG	MECH TYPE A4	2	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	2	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP		90%	50	27	4050	4050	MECH	0.09	0.04	405	186
BIENBLDG	MECH TYPE E	24	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	24	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP		90%	58	19	4050	4050	MECH	1.25	0.84	5638	3791
BIENBLDG	MECH TYPE V	23	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	23	3D4FT3600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP		90%	88	30	4050	4050	MECH	1.82	1.20	8197	5403
BIENBLDG	MTG RM TYPE SP1	33	1X42L7SHOPEN	EXISTING 4FT 2 LAMP TSHO PEN FIXTURE	33	2D4FTTSH06800L	2LT 4FT TSHO W/6800L DRIVER	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP		90%	100	55	3108	3107.7	ESMTG	2.97	1.34	10255	4615
BIENBLDG	MTG RM TYPE G	22	F242	2-42W FLUOR FIXTURE	22	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL		90%	84	22	3108	3107.7	ESMTG	1.66	1.23	5743	4239
BIENBLDG	OPEN OFFICE TYPE A12	65	1X123L7SHOPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	65	3D4FTTSH010000L1N12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE		90%	150	81	4687	4687.2	ESOO	8.78	4.04	45700	21022
BIENBLDG	OPEN OFFICE TYPE A4	37	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	37	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP		90%	50	27	4687	4687.2	ESOO	1.67	0.77	8671	3989
BIENBLDG	OPEN OFFICE TYPE A8	25	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	25	2D4FTTSH06800L1N8FT	2LT 4FT TSHO W/6800L DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE		90%	100	55	4687	4687.2	ESOO	2.25	1.01	11718	5273
BIENBLDG	PRIVATE OFFICE TYPE A12	8	1X123L7SHOPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	8	3D4FTTSH010000L1N12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE		90%	150	81	2997	2997	ESPO	1.08	0.50	3596	1654
BIENBLDG	PRIVATE OFFICE TYPE A8	44	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	44	2D4FTTSH06800L1N8FT	2LT 4FT TSHO W/6800L DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE		90%	100	55	2997	2997	ESPO	3.96	1.78	13187	5934
BIENBLDG	RESTROOM TYPE G	36	F232	2-32 W FLUORESCENT FIXTURE	36	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES		90%	72	13	4983	4982.9	ESRR	2.33	1.91	12916	10584
BIENBLDG	STORAGE FILES TYPE B	2	2X44L78	2X4 4L T8 FIXTURE	2	4D4FT4800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP		90%	114	36	2700	2700	STO	0.21	0.14	816	421
BIENBLDG	STORAGE TYPE A	12	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	12	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP		90%	50	27	2700	2700	STO	0.54	0.25	1620	746
BIENBLDG	STORAGE TYPE B	2	2X44L78	2X4 4L T8 FIXTURE	2	4D4FT4800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP		90%	114	36	2700	2700	STO	0.21	0.14	816	421
BIENBLDG	STORAGE TYPE E	22	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	22	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP		90%	58	19	2700	2700	STO	1.15	0.77	3445	2317
BIENBLDG	TYPE B2	4	2X44L78	2X4 4L T8 FIXTURE	4	4D4FT4800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP		90%	114	36	2700	2700	STO	0.41	0.28	1231	842
BIENBLDG	TYPE B2	4	2X44L78	2X4 4L T8 FIXTURE	4	4D4FT4800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP		90%	114	36	2700	2700	STO	0.41	0.28	1231	842
BIENBLDG	EMERGENCY TYPE C	4	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSH06800L1N8FT	2LT 4FT TSHO W/6800L DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE		100%	100	55	8760	8760	EM	0.40	0.18	3504	1577
BIENBLDG	HALL TYPE A4	14	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	14	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP		90%	50	27	5779	5779.4	ESH	0.63	0.29	4046	1961
BIENBLDG	HALL TYPE G	12	F242	2-42W FLUOR FIXTURE	12	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL		90%	84	22	5779	5779.4	ESH	0.91	0.67	5826	4300
BIENBLDG	HALL TYPE SP2	3	F442CUSTOM	4-42W FLUOR FIXTURE	3	LED40HWCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES		90%	168	40	5779	5779.4	ESH	0.45	0.35	2913	2219
BIENBLDG	HALL TYPE SP3	24	2X44L78	EXISTING 6 LAMP TSHO FIXTURE	48	3D4FTTSH010000L	3LT 4FT TSHO W/10000L DIM DRIVER	3LT 10000 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP		90%	300	81	5779	5779.4	ESH	6.48	2.98	41611	19141
BIENBLDG	HALL TYPE SP3 (12 IN) FLR2	2	SW1CH	EXISTING TOGGLE SWITCH	2	DAYSENSORWIRELESS	DAYLIGHT SENSOR FOR WIRELESS	WATT STOPPER LS-1000A OR JB-1 OR Z E250 CONTROL WIRING		90%	0	0	5779	5779.4	ESH	0.00	0.00	0	0
BIENBLDG	HALL TYPE E	37	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	37	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP		90%	58	19	4050	4050	MECH	1.51	1.30	8691	5844
BIENBLDG	MTG RM TYPE A4	2	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	2	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP		90%	50	27	3108	3107.7	ESMTG	0.09	0.04	311	143
BIENBLDG	MTG TYPE AD	2	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	2	2D4FTTSH06800L1N8FT	2LT 4FT TSHO W/6800L DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE		90%	100	55	3108	3107.7	ESMTG	0.18	0.08	622	280
BIENBLDG	MTG RM TYPE GD	10	F242	2-42W FLUOR FIXTURE	10	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL		90%	84	22	3108	3107.7	ESMTG	0.76	0.56	2610	1927
BIENBLDG	OPEN OFFICE TYPE A4	40	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	40	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP		90%	50	27	4687	4687.2	ESOO	1.80	0.83	9374	4312
BIENBLDG	OPEN OFFICE TYPE A8	53	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	53	2D4FTTSH06800L1N8FT	2LT 4FT TSHO W/6800L DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE		90%	100	55	4687	4687.2	ESOO	4.77	2.15	24842	11179
BIENBLDG	OPEN OFFICE TYPE A12	121	1X123L7SHOPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	121	3D4FTTSH010000L1N12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE		90%	150	81	4687	4687.2	ESOO	16.34	7.51	85073	39133
BIENBLDG	PRIVATE OFFICE TYPE B	3	2X44L78	2X4 4L T8 FIXTURE	3	4D4FT6400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP		90%	114	52	2997	2997	ESPO	0.31	0.17	1025	557
BIENBLDG	PRIVATE OFFICE TYPE A12	10	1X123L7SHOPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE															

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Burn Hours	Post Burn Hours	Hour Group Code	Monthly Pre kWh	Monthly kWh Saved	Existing kWh	Annual kWh Saved
BIENBLDG	HALL TYPE A4	9	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	9	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	5779	5779A	ESH	0.41	0.19	2601	1196
BIENBLDG	HALL TYPE G	2	F242	2-42W FLUOR FIXTURE	2	LED20HWRECKIT8*	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	5779	5779A	ESH	0.15	0.11	971	717
BIENBLDG	HALL TYPE SP2	4	1X42LTSHPEN	EXISTING 4FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSH06800L	2LT 4FT TSHO W/6800L DRIVER	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP	90%	100	55	5779	5779A	ESH	0.36	0.16	2312	1040
BIENBLDG	HALL TYPE SP2	3	F442CUSTOM	4-42W FLUOR FIXTURE	3	LED40HWVCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	168	40	5779	5779A	ESH	0.45	0.35	2913	2219
BIENBLDG	HALL TYPE W	3	F232	2-32 W FLUORESCENT FIXTURE	3	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5779	5779A	ESH	0.19	0.16	1248	1023
BIENBLDG	HALL TYPE SP2 FLR 4	3	F442CUSTOM	4-42W FLUOR FIXTURE	3	LED40HWVCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	168	40	5779	5779A	ESH	0.45	0.35	2913	2219
BIENBLDG	MECH TYPE E	28	1X42LTS	1X4 2L TS FIXTURE ELECTRONIC	28	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.46	0.98	6577	4423
BIENBLDG	MTG RM TYPE A4	3	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	3	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	3108	3107.7	ESMTG	0.14	0.06	466	214
BIENBLDG	MTG RM TYPE A12	6	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	6	3D4FTTSH01000LLIN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	3108	3107.7	ESMTG	0.81	0.37	2797	1287
BIENBLDG	MTG RM TYPE GD	20	F242	2-42W FLUOR FIXTURE	20	LED20HWRECKIT8*	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	3108	3107.7	ESMTG	1.51	1.12	5221	3854
BIENBLDG	MTG RM TYPE SP3	10	F442CUSTOM	4-42W FLUOR FIXTURE	10	LED40HWVCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	168	40	3108	3107.7	ESMTG	1.51	1.15	5221	3978
BIENBLDG	OPEN OFFICE TYPE A4	23	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	23	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	4687	4687.2	ESOO	1.04	0.48	5390	2480
BIENBLDG	OPEN OFFICE TYPE A8	38	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	38	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	4687	4687.2	ESOO	3.42	1.54	17811	8015
BIENBLDG	OPEN OFFICE TYPE A12	118	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	118	3D4FTTSH01000LLIN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	4687	4687.2	ESOO	15.93	7.33	82963	38163
BIENBLDG	PRIVATE OFFICE TYPE A4	7	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	7	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	2997	2997	ESPO	0.32	0.14	1049	483
BIENBLDG	PRIVATE OFFICE TYPE A8	67	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	67	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2997	2997	ESPO	6.03	2.71	20080	9036
BIENBLDG	RESTROOM TYPE G	26	F232	2-32 W FLUORESCENT FIXTURE	26	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	4983	4982.9	ESHR	1.68	1.38	9328	7644
BIENBLDG	STORAGE FILES TYPE B	3	2X44LTS	2X4 4L TS FIXTURE	3	4D4FT4800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	36	2700	2700	STO	0.31	0.21	923	632
BIENBLDG	STORAGE FILES TYPE A12	1	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	1	3D4FTTSH01000LLIN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	2700	2700	STO	0.14	0.06	405	186
BIENBLDG	STORAGE TYPE A8	3	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	3	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2700	2700	STO	0.27	0.12	810	365
BIENBLDG	STORAGE FILES TYPE A8	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2700	2700	STO	0.36	0.16	1080	486
BIENBLDG	KITCHEN TYPE A12	2	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	2	3D4FTTSH01000LLIN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	4320	4320	ESLB	0.27	0.12	1296	596
BIENBLDG	EMERGENCY TYPE C	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	100%	100	55	8760	8760	EM	0.40	0.18	3504	1577
BIENBLDG	HALL TYPE A4	16	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	16	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	5779	5779A	ESH	0.72	0.33	4623	2127
BIENBLDG	HALL TYPE G	8	F242	2-42W FLUOR FIXTURE	8	LED20HWRECKIT8*	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	5779	5779A	ESH	0.80	0.45	3884	2887
BIENBLDG	HALL TYPE SP3	5	1X42LTSHPEN	EXISTING 4FT 2 LAMP TSHO PEN FIXTURE	5	2D4FTTSH06800L	2LT 4FT TSHO W/6800L DRIVER	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP	90%	100	55	5779	5779A	ESH	0.45	0.20	2980	1300
BIENBLDG	HALL TYPE SP2	3	F442CUSTOM	4-42W FLUOR FIXTURE	3	LED40HWVCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	168	40	5779	5779A	ESH	0.45	0.35	2913	2219
BIENBLDG	HALL TYPE W	3	F232	2-32 W FLUORESCENT FIXTURE	3	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5779	5779A	ESH	0.19	0.16	1248	1023
BIENBLDG	HALL TYPE SP2 FLR 5	3	F442CUSTOM	4-42W FLUOR FIXTURE	3	LED40HWVCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	168	40	5779	5779A	ESH	0.45	0.35	2913	2219
BIENBLDG	MECH TYPE E	29	1X42LTS	1X4 2L TS FIXTURE ELECTRONIC	29	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.52	0.92	6812	4053
BIENBLDG	MTG RM TYPE A4	2	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	2	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	3108	3107.7	ESMTG	0.09	0.04	311	143
BIENBLDG	MTG RM TYPE A12	5	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	5	3D4FTTSH01000LLIN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	3108	3107.7	ESMTG	0.68	0.31	2331	1072
BIENBLDG	MTG RM TYPE GD	20	F242	2-42W FLUOR FIXTURE	20	LED20HWRECKIT8*	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	3108	3107.7	ESMTG	1.51	1.12	5221	3854
BIENBLDG	MTG RM TYPE SP3	10	F442CUSTOM	4-42W FLUOR FIXTURE	10	LED40HWVCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	168	40	3108	3107.7	ESMTG	1.51	1.15	5221	3978
BIENBLDG	OPEN OFFICE TYPE A4	25	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	25	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	4687	4687.2	ESOO	1.13	0.52	5859	2695
BIENBLDG	OPEN OFFICE TYPE A8	47	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	47	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	4687	4687.2	ESOO	4.23	1.90	22030	9913
BIENBLDG	OPEN OFFICE TYPE A12	102	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	102	3D4FTTSH01000LLIN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	4687	4687.2	ESOO	13.77	6.33	71714	32989
BIENBLDG	PRIVATE OFFICE TYPE A8	62	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	62	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2997	2997	ESPO	5.58	2.51	18581	8362
BIENBLDG	RESTROOM TYPE G	26	F232	2-32 W FLUORESCENT FIXTURE	26	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	4983	4982.9	ESHR	1.68	1.38	9328	7644
BIENBLDG	STORAGE FILES TYPE B	8	2X44LTS	2X4 4L TS FIXTURE	8	4D4FT4800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	36	2700	2700	STO	0.58	0.58	2462	1605
BIENBLDG	STORAGE FILES TYPE B	8	2X44LTS	2X4 4L TS FIXTURE	8	4D4FT4800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	36	2700	2700	STO	0.58	0.58	2462	1605
BIENBLDG	KITCHEN TYPE A12	2	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	2	3D4FTTSH01000LLIN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	4320	4320	ESLB	0.27	0.12	1296	596
BIENBLDG	MAIL TYPE A8	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2700	2700	STO	0.36	0.16	1080	486
BIENBLDG	EMERGENCY TYPE C	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	100%	100	55	8760	8760	EM	0.40	0.18	3504	1577
BIENBLDG	HALL TYPE A4	3	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	3	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	5779	5779A	ESH	0.14	0.06	867	399
BIENBLDG	HALL TYPE SP4	6	1X42LTSHPEN	EXISTING 4FT 2 LAMP TSHO PEN FIXTURE	6	2D4FTTSH06800L	2LT 4FT TSHO W/6800L DRIVER	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP	90%	100	55	5779	5779A	ESH	0.54	0.24	3468	1560
BIENBLDG	HALL TYPE SP2	3	F442CUSTOM	4-42W FLUOR FIXTURE	3	LED40HWVCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	168	40	5779	5779A	ESH	0.45	0.35	2913	2219
BIENBLDG	HALL TYPE W	3	F232	2-32 W FLUORESCENT FIXTURE	3	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5779	5779A	ESH	0.19	0.16	1248	1023
BIENBLDG	HALL TYPE SP2 FLR 6	3	F442CUSTOM	4-42W FLUOR FIXTURE	3	LED40HWVCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	168	40	5779	5779A	ESH	0.45	0.35	2913	2219
BIENBLDG	MECH TYPE E	28	1X42LTS	1X4 2L TS FIXTURE ELECTRONIC	28	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.46	0.98	6577	4423
BIENBLDG	MTG RM TYPE A4	3	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	3	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE										

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Burn Hours	Post Burn Hours	Hour Group	Monthly Pre kW	Monthly Post kW	Existing kWh	Annual kWh Saved
BIENBLDG	OPEN OFFICE TYPE A4	50	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	50	1D4FTTSHO3400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	4687	4687	ESOO	2.25	1.04	11718	5390
BIENBLDG	OPEN OFFICE TYPE A8	38	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	38	2D4FTTSHO0800LLN8FT	2LT 4FT TSHO W/8000L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	4687	4687	ESOO	3.42	1.54	17811	8015
BIENBLDG	OPEN OFFICE TYPE A12	101	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	101	3D4FTTSHO10000LLN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	4687	4687	ESOO	13.64	6.27	71011	32665
BIENBLDG	PRIVATE OFFICE TYPE A4	6	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	6	1D4FTTSHO3400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	2997	2997	ESPO	0.52	0.12	899	414
BIENBLDG	PRIVATE OFFICE TYPE A8	57	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	57	2D4FTTSHO0800LLN8FT	2LT 4FT TSHO W/8000L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2997	2997	ESPO	5.13	2.31	17083	7687
BIENBLDG	RESTROOM TYPE G	26	F232	2-32 W FLUORESCENT FIXTURE	26	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	4983	4982	ESRR	1.68	1.38	9328	7644
BIENBLDG	STORAGE FILES TYPE A4	1	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	1	1D4FTTSHO3400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	2700	2700	STO	0.52	0.02	135	62
BIENBLDG	STORAGE TYPE B	1	2X44LT8	2X4 4L T8 FIXTURE	1	4D4FT4800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	36	2700	2700	STO	0.10	0.07	308	211
BIENBLDG	STORAGE FILES TYPE A12	4	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	4	3D4FTTSHO10000LLN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	2700	2700	STO	0.54	0.25	1620	745
BIENBLDG	STORAGE TYPE A8	1	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	1	2D4FTTSHO0800LLN8FT	2LT 4FT TSHO W/8000L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2700	2700	STO	0.09	0.04	270	122
BIENBLDG	STORAGE FILES TYPE A8	5	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	5	2D4FTTSHO0800LLN8FT	2LT 4FT TSHO W/8000L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2700	2700	STO	0.45	0.20	1350	608
BIENBLDG	KITCHEN TYPE A12	2	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	2	3D4FTTSHO10000LLN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	4320	4320	ESLB	0.27	0.12	1296	596
BIENBLDG	STORAGE/MAIL TYPE A12	2	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	2	3D4FTTSHO10000LLN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	2700	2700	STO	0.27	0.12	810	373
BIENBLDG	EMERGENCY TYPE C	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSHO0800LLN8FT	2LT 4FT TSHO W/8000L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	100%	100	55	8760	8760	EM	0.40	0.18	3504	1577
BIENBLDG	HALL TYPE A4	35	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	35	1D4FTTSHO3400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	5779	5779	ESH	1.58	0.72	10114	4852
BIENBLDG	HALL TYPE G	5	F242	2-42W FLUOR FIXTURE	5	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-40-40 OR EQUAL	90%	84	22	5779	5779	ESH	0.38	0.28	2427	1792
BIENBLDG	HALL TYPE W	3	F232	2-32 W FLUORESCENT FIXTURE	3	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5779	5779	ESH	0.19	0.18	1248	1023
BIENBLDG	HALL TYPE SP2 FLR B	3	F442CUSTM	4-42W FLUOR FIXTURE	3	LED40WCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	168	40	5779	5779	ESH	0.45	0.35	2913	2219
BIENBLDG	HALL TYPE SP3 FLR B	10	F257	2-57W FLUOR FIXTURE	10	LED30WCUSTKIT	30 WATT LED CONVERSION KIT CUSTOM FIXT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	122	30	5779	5779	ESH	1.10	0.83	7051	5317
BIENBLDG	MECH TYPE E	28	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	28	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.48	0.98	6577	4423
BIENBLDG	MTG RM TYPE A4	3	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	3	1D4FTTSHO3400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	3108	3107	ESMTG	0.41	0.06	466	214
BIENBLDG	MTG RM TYPE A8	3	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	3	2D4FTTSHO0800LLN8FT	2LT 4FT TSHO W/8000L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	3108	3107	ESMTG	0.27	0.12	932	420
BIENBLDG	MTG RM TYPE A12	3	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	3	3D4FTTSHO10000LLN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	3108	3107	ESMTG	0.41	0.19	1398	643
BIENBLDG	MTG RM TYPE GD	20	F242	2-42W FLUOR FIXTURE	20	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-40-40 OR EQUAL	90%	84	22	3108	3107	ESMTG	1.51	1.12	5221	3684
BIENBLDG	MTG RM TYPE SP3	10	F442CUSTM	4-42W FLUOR FIXTURE	10	LED40WCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	168	40	3108	3107	ESMTG	1.15	0.52	5221	3978
BIENBLDG	OPEN OFFICE TYPE A4	35	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	35	1D4FTTSHO3400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	4687	4687	ESOO	1.58	0.72	8203	3773
BIENBLDG	OPEN OFFICE TYPE A8	21	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	21	2D4FTTSHO0800LLN8FT	2LT 4FT TSHO W/8000L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	4687	4687	ESOO	1.89	0.85	9843	4429
BIENBLDG	OPEN OFFICE TYPE A12	62	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	62	3D4FTTSHO10000LLN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	4687	4687	ESOO	8.37	3.85	43591	20052
BIENBLDG	PRIVATE OFFICE TYPE A4	14	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	14	1D4FTTSHO3400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	2997	2997	ESPO	0.63	0.29	2098	965
BIENBLDG	PRIVATE OFFICE TYPE A8	119	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	119	2D4FTTSHO0800LLN8FT	2LT 4FT TSHO W/8000L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2997	2997	ESPO	10.71	4.82	35664	16049
BIENBLDG	PRIVATE OFFICE TYPE A12	4	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	4	3D4FTTSHO10000LLN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	2997	2997	ESPO	0.54	0.25	1798	827
BIENBLDG	RESTROOM TYPE G	26	F232	2-32 W FLUORESCENT FIXTURE	26	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	4983	4982	ESRR	1.68	1.38	9328	7644
BIENBLDG	STORAGE TYPE B	1	2X44LT8	2X4 4L T8 FIXTURE	1	4D4FT4800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	36	2700	2700	STO	0.10	0.07	308	211
BIENBLDG	STORAGE FILES TYPE A12	2	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	2	3D4FTTSHO10000LLN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	2700	2700	STO	0.27	0.12	810	373
BIENBLDG	STORAGE/MAIL TYPE A12	2	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	2	3D4FTTSHO10000LLN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	2700	2700	STO	0.27	0.12	810	373
BIENBLDG	KITCHEN TYPE B	1	2X44LT8	2X4 4L T8 FIXTURE	1	4D4FT4800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	4320	4320	ESLB	0.10	0.06	492	268
BIENBLDG	EMERGENCY TYPE C	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSHO0800LLN8FT	2LT 4FT TSHO W/8000L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	100%	100	55	8760	8760	EM	0.40	0.18	3504	1577
BIENBLDG	HALL TYPE A4	21	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	21	1D4FTTSHO3400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	5779	5779	ESH	0.95	0.43	6668	2791
BIENBLDG	HALL TYPE G	12	F242	2-42W FLUOR FIXTURE	12	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-40-40 OR EQUAL	90%	84	22	5779	5779	ESH	0.91	0.67	5626	4300
BIENBLDG	HALL TYPE SP2	9	1X42LTSHPEN	EXISTING 4FT 2 LAMP TSHO PEN FIXTURE	9	2D4FTTSHO0800LLN8FT	2LT 4FT TSHO W/8000L DRIVER	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP	90%	100	55	5779	5779	ESH	0.81	0.36	5201	2341
BIENBLDG	HALL TYPE SP7	8	F442CUSTM	4-42W FLUOR FIXTURE	8	LED40WCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	168	40	5779	5779	ESH	1.21	0.92	7767	5918
BIENBLDG	HALL TYPE Y	13	F232	2-32 W FLUORESCENT FIXTURE	13	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5779	5779	ESH	0.10	0.07	308	211
BIENBLDG	MECH TYPE E	56	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	56	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	2.92	1.97	13154	8845
BIENBLDG	MTG RM TYPE A4	5	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	5	1D4FTTSHO3400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	3108	3107	ESMTG	0.23	0.10	777	357
BIENBLDG	MTG RM TYPE A12	7	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	7	3D4FTTSHO10000LLN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	3108	3107	ESMTG	0.95	0.43	3263	1501
BIENBLDG	MTG RM TYPE GD	24	F242	2-42W FLUOR FIXTURE	24	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-40-40 OR EQUAL	90%	84	22	3108	3107	ESMTG	1.81	1.34	6286	4624
BIENBLDG	MTG RM TYPE SP3	10	F442CUSTM	4-42W FLUOR FIXTURE	10	LED40WCUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	168	40	3108	3107	ESMTG	1.51	0.52	5221	3978
BIENBLDG	OPEN OFFICE TYPE A4	11	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	11	1D4FTTSHO3400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	4687	4687	ESOO	1.50	0.23	2578	1186
BIENBLDG	OPEN OFFICE TYPE A8	2	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	2	2D4FTTSHO0800LLN8FT	2LT 4FT TSHO W/8000L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	4687	4687	ESOO	0.18	0.08	937	422
BIENBLDG	OPEN OFFICE TYPE A12	18	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	18	3D4FTTSHO10000LLN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%									

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hour	Post Hour	Hour	Monthly Pre kWh	Monthly Post kWh	Existing kWh	Annual kWh Saved
CAPANN	PRIVATE OFFICE TYPE A	152	2X4SLPARRA	2X4 3L T12 PARABOLIC	152	LED24FKITVLNS3000L	LED 3 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	110	24	2997	2997	ESPO	15.06	11.76	50110	39177
CAPANN	PRIVATE OFFICE TYPE B	33	2X4SLPARRA	2X4 4L T12 PARABOLIC	33	LED24FKITVLNS4000L	LED 3 LAMP 4 FT. CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	140	33	2997	2997	ESPO	1.36	1.08	4998	2277
CAPANN	OPEN OFFICE TYPE A	22	2X4SLPARRA	2X4 3L T12 PARABOLIC	22	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	110	24	7430	7430.04	OC	2.42	1.89	18782	14058
CAPANN	OPEN OFFICE TYPE B	18	2X44LPPARA	2X4 4L T12 PARABOLIC	18	LED24FKITVLNS4000L	LED 3 LAMP 4 FT. CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	140	33	7430	7430.04	OC	2.52	1.95	18725	14311
CAPANN	OPEN OFFICE TYPE AX EM	1	2X44LTPARRA	2X4 3L T8 PARABOLIC	1	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	4687	4687.2	ESCO	0.09	0.06	654	476
CAPANN	MEETING RM TYPE B	24	2X4SLPARRA	2X4 3L T12 PARABOLIC	24	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	140	33	2840	2840.4	MTG	0.32	0.21	9344	6940
CAPANN	MEETING RM TYPE B	24	2X44LPPARA	2X4 4L T12 PARABOLIC	24	LED24FKITVLNS4000L	LED 3 LAMP 4 FT. CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	140	33	2840	2840.4	MTG	0.32	0.21	9344	6940
CAPANN	MEETING RM TYPE BX EM	1	2X44LTPARRA	2X4 4L T8 PARABOLIC	1	LED24FKITVLNS4000L	LED 3 LAMP 4 FT. CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	114	33	8760	8760	EM	0.11	0.08	999	710
CAPANN	COPY ROOM B	2	2X4SLPARRA	2X4 3L T8 PARABOLIC	2	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	88	24	4687	4687.2	ESCO	0.16	0.12	625	600
CAPANN	MEETING RM TYPE B	4	2X4SLPARRA	2X4 4L T12 PARABOLIC	4	LED24FKITVLNS4000L	LED 3 LAMP 4 FT. CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	140	33	4050	4050	ESR	0.25	0.18	1412	1012
CAPANN	STORAGE TYPE B	4	2X44LTPARRA	2X4 4L T8 FIXTURE	1	LED24FKITVLNS4000L	LED 3 LAMP 4 FT. CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	114	33	2700	2700	STO	0.10	0.07	308	219
CAPANN	STORAGE TYPE A	4	2X44LTPARRA	2X4 4L T8 FIXTURE ELECTRONIC	1	LED24FKITVLNS4000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	88	24	2700	2700	STO	0.32	0.23	950	691
CAPANN	FILE ROOM A	6	2X44LTPARRA	2X4 4L T8 FIXTURE	6	LED24FKITVLNS4000L	LED 3 LAMP 4 FT. CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	114	33	3013	3013.2	PO	0.62	0.44	2061	1484
CAPANN	RESTROOM TYPE B	4	2X44LTPARRA	1X4 2L WALL MOUNT	4	204F24200L	2LT 4FT T8 LED W2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	70	19	4983	4982.9	ESR	0.25	0.18	1395	1017
CAPANN	RESTROOM TYPE F	5	1X42LSM	1X4 2L T12 SURFACE MODULAR	5	204F24200L	2LT 4FT T8 LED W2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	70	19	4983	4982.9	ESR	0.32	0.23	1744	1271
CAPANN	STAIRS TYPE D	2	2X2JULB	2X2 2L T12 UB LAY IN	2	LED22FKITVLNS3000L	2X2 LED 3000L CONVERSION KIT W LENS	CUSTOM 2X2 3000L LED CONVERSION KIT, T.B.D.	100%	70	24	4983	4982.9	ESR	0.13	0.08	698	458
CAPANN	STAIRS TYPE F	2	1X42LSM	1X4 2L T12 SURFACE MODULAR	2	204F24200L	2LT 4FT T8 LED W2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	70	19	8760	8760	EM	0.06	0.04	498	342
CAPANN	STAIRS TYPE G	1	1X42LSM	1X4 2L T8 FIXTURE ELECTRONIC	1	LED24FKITVLNS4000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 2400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP	90%	70	19	8760	8760	EM	0.06	0.04	498	342
CAPANN	STAIRS TYPE DX	10	2X2JULB	2X2 2L T12 UB LAY IN	10	LED22FKITVLNS3000L	2X2 LED 3000L CONVERSION KIT W LENS	CUSTOM 2X2 3000L LED CONVERSION KIT, T.B.D.	100%	70	24	4983	4982.9	ESR	0.32	0.21	1744	1146
CAPANN	MECH/STORAGE TYPE G	35	1X42LS	1X4 2L T12 STRIP	35	204F24200L	2LT 4FT T8 LED W2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	70	19	4050	4050	MECH	0.23	1.61	9923	7229
CAPANN	MECH/STORAGE TYPE A	3	2X44LTPARRA	2X4 3L T8 FIXTURE ELECTRONIC	3	204F24200L	2LT 4FT T8 LED W2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP	90%	88	20	4050	4050	MECH	0.16	0.10	713	470
CAPANN	CUSTOM TYPE I	4	F242	2-42W FLUOR FIXTURE	3	LED20HWRCKIT8	20 WATT LED CONVERSION KIT FOR CUSTOM FIXTURE	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	84	20	7142	7141.5	H	0.63	0.41	4899	2917
CAPANN	CUSTOM TYPE M	7	F242	2-42W FLUOR FIXTURE	7	LED20HWRCKIT8	20 WATT LED CONVERSION KIT FOR CUSTOM FIXTURE	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	84	20	7142	7141.5	H	0.59	0.45	4199	3199
CAPANN	2-42W FLUOR FIXTURE	4	F242	2-42W FLUOR FIXTURE	4	LED20HWRCKIT8	20 WATT LED CONVERSION KIT FOR CUSTOM FIXTURE	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	84	20	7142	7141.5	H	0.59	0.45	4199	3199
CAPANN	CUSTOM TYPE M	6	F242	2-42W FLUOR FIXTURE	6	LED20HWRCKIT8	20 WATT LED CONVERSION KIT FOR CUSTOM FIXTURE	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	84	20	7142	7141.5	H	0.59	0.38	3599	2742
CAPANN	CUSTOM TYPE P	2	F242	2-42W FLUOR FIXTURE	2	LED20HWRCKIT8	20 WATT LED CONVERSION KIT FOR CUSTOM FIXTURE	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	84	20	7142	7141.5	H	0.17	0.13	1200	914
CAPANN	CUSTOM TYPE Q	4	F242	2-42W FLUOR FIXTURE	4	LED20HWRCKIT8	20 WATT LED CONVERSION KIT FOR CUSTOM FIXTURE	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	84	20	7142	7141.5	H	0.34	0.26	2400	1828
CAPANN	HALL TYPE D	28	2X2JULB	2X2 2L T12 UB LAY IN	28	LED22FKITVLNS3000L	2X2 LED 3000L CONVERSION KIT W LENS	CUSTOM 2X2 3000L LED CONVERSION KIT, T.B.D.	100%	70	24	7142	7141.5	H	2.22	1.68	1797	1128
CAPANN	HALL TYPE DX	19	2X2JULB	2X2 2L T12 UB LAY IN	19	LED22FKITVLNS3000L	2X2 LED 3000L CONVERSION KIT W LENS	CUSTOM 2X2 3000L LED CONVERSION KIT, T.B.D.	100%	70	24	8760	8760	EM	1.33	0.87	11651	7656
CAPANN	HALL/LOBBY TYPE H CUSTOM	8	2X46LTSO	EXISTING LAMP TSHO FIXTURE	8	404FTS9H01000LD	4LT 4FT TSHO W/10000 DIM DRIVER LUM 8FT	4LT 10000 LUMEN DIMMABLE DRIVER UNV AND 4-FT TYPE C LED TSHO LAMP	100%	300	80	7142	7141.5	EM	1.40	1.76	17140	12569
CAPANN	HALL/LOBBY TYPE H	4	SWTCH	EXISTING TOGGLE SWITCH	4	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	100%	0	0	7142	7141.5	EM	0.00	0.00	0	0
CAPANN	HALL/EMERGENCY TYPE K	11	F242	2-42W FLUOR FIXTURE	11	LED20HWRCKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-MD OR EQUAL	100%	84	22	8760	8760	EM	0.92	0.68	8094	5974
CAPANN	HALL TYPE M	1	F242	2-42W FLUOR FIXTURE	1	LED20HWRCKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-MD OR EQUAL	100%	84	22	7142	7141.5	H	0.08	0.06	600	443
CAPANN	HALL TYPE EL	19	1X42LSM	1X4 2L T12 SURFACE MODULAR	19	204F24200L	2LT 4FT T8 LED W2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	70	19	7142	7141.5	H	0.24	0.17	1440	279
CAPANN	PRIVATE OFFICE TYPE A	136	2X4SLPARRA	2X4 3L T12 PARABOLIC	136	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	110	24	2997	2997	ESPO	13.46	10.53	48853	36025
CAPANN	PRIVATE OFFICE TYPE B	50	2X44LPPARA	2X4 4L T12 PARABOLIC	50	LED24FKITVLNS4000L	LED 3 LAMP 4 FT. CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	140	33	2997	2997	ESPO	6.30	4.82	20979	16034
CAPANN	COPY ROOM TYPE C	54	2X44LTPARRA	2X4 3L T8 PARABOLIC	54	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	88	24	3013	3013.2	PO	4.28	3.11	14319	10414
CAPANN	PRIVATE OFFICE TYPE B	4	2X44LTPARRA	2X4 4L T12 PARABOLIC	4	LED24FKITVLNS4000L	LED 3 LAMP 4 FT. CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	33	7430	7430.04	OC	1.26	0.96	956	715	
CAPANN	PRIVATE OFFICE TYPE C CX	48	2X4SLPARRA	2X4 3L T8 PARABOLIC	48	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	24	7430	7430.04	OC	3.12	2.39	31623	23626	
CAPANN	MEETING RM TYPE C	2	2X4SLPARRA	2X4 3L T8 PARABOLIC	2	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	88	24	2840	2840.4	MTG	0.16	0.12	500	364
CAPANN	LIBRARY TYPE C	11	2X4SLPARRA	2X4 3L T8 PARABOLIC	11	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	88	24	5400	5400	LIB	0.87	0.63	5227	3892
CAPANN	LOUNGE/BREAKRM TYPE C	5	2X4SLPARRA	2X4 3L T12 PARABOLIC	5	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	110	24	7225	7225.2	LB	0.88	0.69	6358	4971
CAPANN	STORAGE TYPE F	5	1X42LSM	1X4 2L T12 SURFACE MODULAR	5	204F24200L	2LT 4FT T8 LED W2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	70	19	2700	2700	STO	0.32	0.23	945	689
CAPANN	RESTROOM TYPE A	2	2X44LTPARRA	2X4 3L T8 FIXTURE ELECTRONIC	2	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	88	24	4983	4982.9	ESR	0.16	0.12	877	638
CAPANN	RESTROOM TYPE E	8	1X42LSM	1X4 2L WALL MOUNT	8	204F24200L	2LT 4FT T8 LED W2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	70	19	4983	4982.9	ESR	0.50	0.37	2790	2033
CAPANN	RESTROOM TYPE F	7	1X42LSM	1X4 2L T12 SURFACE MODULAR	7	204F24200L	2LT 4FT T8 LED W2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	70	19	4983	4982.9	ESR	0.61	0.46	3171	2179
CAPANN	STAIRS TYPE D	5	2X2JULB	2X2 2L T12 UB LAY IN	5	LED22FKITVLNS3000L	2X2 LED 3000L CONVERSION KIT W LENS	CUSTOM 2X2 3000L LED CONVERSION KIT, T.B.D.	100%	70	24	4983	4982.9	ESR	0.32	0.21	1744	1146
CAPANN	STAIRS TYPE DX	8	2X2JULB	2X2 2L T12 UB SURFACE MODULAR	8	204F24200L	2LT 2FT T8 LED 2800L W/ SOCKET KIT UB TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	70	23	4050	4050	MECH	0.50	0.34	2268	1523
CAPANN	MECH/STORAGE TYPE G	10	1X42LS	1X4 2L T12 STRIP	10	204F24200L	2LT 4FT T8 LED W2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	70	19	4050	4050	MECH	0.63	0.46	2835	2066
CAPANN	HALL/EMERGENCY TYPE K	10	2X2JULB	2X2 2L T12 UB LAY IN	10	LED22FKITVLNS3000L	2X2 LED 3000L CONVERSION KIT W LENS	CUSTOM 2X2 3000L LED CONVERSION KIT, T.B.D.	100%	70	24	7142	7141.5	H	1.54	1.02	1098	827
CAPANN	HALL/EMERGENCY TYPE K	4	F242	2-42W FLUOR FIXTURE	4	LED20HWRCKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-MD OR EQUAL	100%	84	22	8760	8760	EM	0.34	0.25	2943	2172
CAPANN	HALL TYPE A	8	2X44LTPARRA	2X4 3L T8 PARABOLIC	8	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7142	7141.5	H	0.74	0.51	5028	3676
CAPANN	HALL TYPE B	8	2X44LTPARRA	1X4 2L T8 FIXTURE ELECTRONIC	8	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7142	7141.5	H	0.74	0.51	5028	3676
CAPANN	PRIVATE OFFICE TYPE A	163	2X4SLPARRA	2X4 3L T12 PARABOLIC	163	LED24FKITVLNS3000L	LED 2 LAMP 4 FT. CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	110	24	2997	2997	ESPO	16.1			

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hour	Post Hour	Hour	Monthly Pre kWh	Monthly Post kWh	Existing kWh Saved	Annual kWh Saved
CAPANN	PRIVATE OFFICE TYPE A	45	2X4SLPARA	2X4 3L T12 PARABOLIC	45	LED24FKITWLENS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	110	24	2997	2997	ESPO	4.46	3.48	14835	11598
CAPANN	PRIVATE OFFICE TYPE B	37	2X4SLPARA	2X4 4L T12 PARABOLIC	37	LED24FKITWLENS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	140	33	2997	2997	ESPO	1.41	1.06	5817	4586
CAPANN	MEETING ROOM TYPE B	4	2X44LTPARA	2X4 4L T12 PARABOLIC	4	LED24FKITWLENS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	140	33	2840	2840.4	MTG	0.50	0.39	1591	1216
CAPANN	STORAGE ROOM TYPE B	2	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	2	204F74200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	19	2700	2700	STO	0.10	0.07	313	211
CAPANN	FILE ROOM A	4	2X43LTM	2X4 3L T8 FIXTURE ELECTRONIC	4	LED24FKITWLENS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	88	24	3013	3013.2	PC	0.32	0.23	1061	771
CAPANN	RESTROOM TYPE A	2	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	2	204F74200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESRR	0.25	0.18	1000	782
CAPANN	RESTROOM TYPE A	4	1X42JESM	1X4 2L T12 SURFACE MODULAR	4	204F74200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	70	19	4983	4982.9	ESRR	0.25	0.18	1395	1071
CAPANN	STAIRS TYPE DX	2	2X2JESM	2X2 2L T12 US SURFACE MODULAR	2	2D2FTKIT2800L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	70	23	4050	4050	MECH	0.13	0.08	567	381
CAPANN	MECH/ STORAGE TYPE G	3	1X42LS	1X4 2L T12 STRIP	3	204F74200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	70	19	4050	4050	MECH	0.19	0.14	851	620
CAPANN	HALL TYPE D	2	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	2	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	100%	58	19	4142	4142	ESM	0.14	0.10	1000	778
CAPANN	HALL TYPE OXEM	1	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	1	204F74200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.06	0.04	508	342
CAPANN	STAIRS TYPE G	1	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	1	204F74200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.06	0.04	508	342
CAPANN	MECH/ STORAGE TYPE G	36	1X42LS	1X4 2L T12 STRIP	36	204F74200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	70	19	4050	4050	MECH	2.27	1.65	10206	7436
CAPANN	EXTERIOR VARIOUS	6	MH100WP	100W METAL HALIDE WALL PACK	6	NEWLED30WP	30 WATT LED SMALL WALL PACK	NEW 30 WATT LED SMALL WALL PACK	10%	125	20	4380	4380	EXT	0.08	0.06	3205	2769
CAPANN	EXTERIOR TYPE WP	1	MH100WP	100W METAL HALIDE WALL PACK	1	NEWLED30WP	30 WATT LED SMALL WALL PACK	NEW 30 WATT LED SMALL WALL PACK	10%	125	20	4380	4380	EXT	0.01	0.01	548	416
CAPANN	EXTERIOR VARIOUS	12	MH175WP	175W METAL HALIDE WALL PACK	12	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.26	0.21	11195	9093
CAPANN	EXTERIOR TYPE MHHP	14	MH175WP	175W METAL HALIDE WALL PACK	14	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.13	0.10	5598	4546
CAPANN	EXTERIOR TYPE WM	8	MH175WP	175W METAL HALIDE WALL PACK	8	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.12	0.10	5598	4546
CAPANN	EXTERIOR VARIOUS	4	MH400FL	400W METAL HALIDE FLOOD	4	NEWLED130FLS	NEW 130 WATT LED FLOOD LIGHT SLIP FITTER	NEW 130 WATT LED FLOOD LIGHT SLIP FITTER VERIFY VOLTAGE AND PE	10%	450	130	4380	4380	EXT	0.18	0.13	7884	5606
CAPANN	VARIOUS ITEMS	300	NOTILE	NO EXISTING TILE	300	NEW2X2AIRLOUVER	NEW 2X2 PARA CUBE LOUVER FOR AIR RETURN		0%	0	0	0	0	NO	0.00	0.00	0	0
CAPANN	SENSOR VARIOUS	4	NOPE	NO EXISTING P.E. CONTROL	4	PECONTROL	NEW PE CONTROLS FOR EXTERIOR LIGHTS	ALR 2X2 OR TORX 3000 PER SPECIFICATIONS	0%	0	0	0	0	S	0.00	0.00	0	0
CAPANN	SENSOR VARIOUS	6	NOPE	NO EXISTING P.E. CONTROL	6	PEFIX	ADD PE CONTROL TO EACH FIXTURE IF APPLICABLE	ALR 120 OR 277 VOLT PHOTO CONTROL CONTRACTOR VERIFY.	0%	0	0	0	0	S	0.00	0.00	0	0
CLAIB-BLDG	FILES TYPE A	24	2X43LTPARA	2X4 3L T8 PARABOLIC	24	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	4687	4687.2	ESCO	1.90	1.12	9889	5850
CLAIB-BLDG	PRIVATE OFFICE TYPE A	17	2X43LTPARA	2X4 3L T8 PARABOLIC	17	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	2997	2997	ESPO	1.35	0.80	4444	2649
CLAIB-BLDG	MECHANICAL TYPE A	6	2X43LTPARA	2X4 3L T8 PARABOLIC	6	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	4050	4050	MECH	0.40	0.23	1782	1038
CLAIB-BLDG	MECHANICAL TYPE A	5	2X43LTPARA	2X4 3L T8 PARABOLIC	5	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	4050	4050	MECH	0.40	0.23	1782	1038
CLAIB-BLDG	OPEN OFFICE TYPE A	4	2X43LTPARA	2X4 3L T8 PARABOLIC	4	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	4687	4687.2	ESCO	0.32	0.19	1650	975
CLAIB-BLDG	LIBRARY TYPE A	6	2X43LTPARA	2X4 3L T8 PARABOLIC	6	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	4050	4050	ESLB	0.48	0.28	2138	1264
CLAIB-BLDG	STORAGE ROOM TYPE A	16	2X43LTPARA	2X4 3L T8 PARABOLIC	16	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	0.75	0.50	3264	2170
CLAIB-BLDG	HALL TYPE D	80	2X22LBIAXEL	2X2 2L ELECTRONIC BIA	80	2D2FTKIT2800L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	70	23	5779	5779.4	ESH	0.54	0.38	3264	2170
CLAIB-BLDG	RESTROOM TYPE E	24	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	24	204F74200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESRR	1.25	0.84	6936	4664
CLAIB-BLDG	EMERGENCY TYPE H	6	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	6	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	ESR	0.35	0.20	3048	1787
CLAIB-BLDG	RESTROOM TYPE F	2	F232	2-32 W FLUORESCENT FIXTURE	2	LED20HWRCKIT9	20 WATT LED REC OR BOX MT TRM KIT	GE LRX-R8-18-40-MD OR EQUAL	90%	72	22	4983	4982.9	ESR	0.26	0.18	1435	997
CLAIB-BLDG	RESTROOM TYPE F	4	F232	2-32 W FLUORESCENT FIXTURE	4	LED20HWRCKIT9	20 WATT LED REC OR BOX MT TRM KIT	GE LRX-R8-18-40-MD OR EQUAL	90%	72	22	4983	4982.9	ESR	0.26	0.18	1435	997
CLAIB-BLDG	HALL TYPE M	34	F232	2-32 W FLUORESCENT FIXTURE	34	LED20HWRCKIT9	20 WATT LED REC OR BOX MT TRM KIT	GE LRX-R8-18-40-MD OR EQUAL	90%	72	22	5779	5779.4	ESH	2.20	1.53	14148	9825
CLAIB-BLDG	PRIVATE OFFICE TYPE M	68	1X84LT8PEN	1X8 4L T8 PENDANT FIXTURE	68	404F76400LINBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2997	2997	ESPO	6.38	3.78	23233	12635
CLAIB-BLDG	MEETING ROOM TYPE M	14	1X84LT8PEN	1X8 4L T8 PENDANT FIXTURE	14	404F76400LINBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	3108	3107.7	ESMTG	1.07	0.65	2634	1541
CLAIB-BLDG	MAIL ROOM TYPE M	4	1X84LT8PEN	1X8 4L T8 PENDANT FIXTURE	4	404F76400LINBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687.2	ESCO	0.41	0.22	2137	1162
CLAIB-BLDG	OPEN OFFICE TYPE M	384	1X84LT8PEN	1X8 4L T8 PENDANT FIXTURE	384	404F76400LINBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687.2	ESCO	39.40	21.23	205187	111593
CLAIB-BLDG	EXTERIOR TYPE A	4	MH175ACORN	175W METAL HALIDE ACORN GLOBE	4	LED8WBULBPOSTTOP	65 WATT LED BULB-SPECIFY STYLE	65 WATT LED BULB - SPECIFY STYLE	10%	213	65	4380	4380	EXT	0.09	0.06	3732	2593
CLAIB-BLDG	MECHANICAL TYPE A	4	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	4	204F74200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	19	2700	2700	STO	0.21	0.14	1179	824
CLAIB-BLDG	STORAGE TYPE S	4	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	4	204F74200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	19	2700	2700	STO	0.21	0.14	626	421
CLAIB-BLDG	CENTRAL RECEIVING TYPE S	50	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	50	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	1890	1890	ESMAIN	2.61	1.53	5481	3213
CLAIB-BLDG	RECEIVING AREA TYPE M	11	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	11	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	1890	1890	ESMAIN	0.57	0.34	1206	707
CLAIB-BLDG	RESTROOM TYPE T	1	1X42LT8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	1	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	4983	4982.9	ESRR	0.05	0.03	289	169
CLAIB-BLDG	PRIVATE OFFICE TYPE T	3	1X42LT8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	3	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2997	2997	ESPO	0.16	0.09	521	306
CLAIB-BLDG	HALL TYPE T	14	1X42LT8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	14	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	5779	5779.4	ESH	0.73	0.43	4693	2751
CLAIB-BLDG	FILES ROOM TYPE T	3	1X42LT8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	3	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	4687	4687.2	ESCO	0.16	0.09	816	478
CLAIB-BLDG	OPEN OFFICE TYPE T	33	1X42LT8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	33	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	4687	4687.2	ESCO	1.72	1.01	8971	5259
CLAIB-BLDG	MEETING ROOM TYPE T	2	1X42LT8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	2	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	3108	3107.7	ESMTG	1.00	0.06	360	211
CLAIB-BLDG	STORAGE ROOM TYPE A	27	2X43LTPARA	2X4 3L T8 PARABOLIC	27	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	2.14	1.26	6415	3791
CLAIB-BLDG	CONTROL ROOM TYPE A	16	2X43LTPARA	2X4 3L T8 PARABOLIC	16	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	2.24	1.41	714	421
CLAIB-BLDG	KITCHEN TYPE A	26	2X43LTPARA	2X4 3L T8 PARABOLIC	26	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	4320	4320	ESMTG	0.75	0.63	6983	3594
CLAIB-BLDG	FILES ROOM TYPE A																	

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Post Hours	Post Hours	Hour Group	Monthly kWh Saved	Monthly kWh Saved	Existing kWh Saved	Annual kWh Saved
CLAIB-BLDG	PRIVATE OFFICE TYPE T	5	1X4L2T8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	5	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2997	2997	ESPO	0.26	0.15	869	509
CLAIB-BLDG	OPEN OFFICE TYPE T	55	1X4L2T8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	55	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESPO	2.87	1.68	14952	8765
CLAIB-BLDG	HALL TYPE T	8	1X4L2T8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	8	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	5779	5779	ESH	0.42	0.24	2682	1572
CLAIB-BLDG	FILES TYPE A	47	2X4L3T8PARA	2X4 3L T8 PARABOLIC	47	3D4F4800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4687	4687	ESPO	3.72	2.20	19386	11456
CLAIB-BLDG	PRIVATE OFFICE TYPE A	3	2X4L3T8PARA	2X4 3L T8 PARABOLIC	3	3D4F4800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2997	2997	ESPO	0.24	0.14	791	468
CLAIB-BLDG	COPY ROOM TYPE A	4	2X4L3T8PARA	2X4 3L T8 PARABOLIC	4	3D4F4800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4687	4687	ESPO	0.32	0.19	1322	736
CLAIB-BLDG	MECHANICAL TYPE A	4	2X4L3T8PARA	2X4 3L T8 PARABOLIC	4	3D4F4800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4050	4050	MECH	0.24	0.15	1426	842
CLAIB-BLDG	LIBRARY TYPE A	12	2X4L3T8PARA	2X4 3L T8 PARABOLIC	12	3D4F4800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4050	4050	ESLB	0.95	0.56	4277	2527
CLAIB-BLDG	STORAGE ROOM TYPE A	4	2X4L3T8PARA	2X4 3L T8 PARABOLIC	4	3D4F4800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	0.32	0.19	950	562
CLAIB-BLDG	OPEN OFFICE TYPE C	16	F232	2-32 W FLOURESCENT FIXTURE	16	LED20HWRCKIT8	20 WATT LED REC OR BOX MT TRIM KIT	20 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4687	4687	ESMT	0.76	0.56	3900	2325
CLAIB-BLDG	HALL TYPE D	114	2X2L2BIAHEL	2X2 2L ELECTRONIC BIAH	114	2D2F7KIT2800L	2LT 2FT T8 LED 2800L W/SOCKET KIT US TO Z	2LT 2FT T8 LED 2800L W/SOCKET KIT US TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	70	23	5779	5779	ESH	7.18	4.82	46119	30966
CLAIB-BLDG	RESTROOM TYPE E	24	1X4L2L78	1X4 2L T8 FIXTURE ELECTRONIC	24	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982	ESRR	1.25	0.84	6936	4664
CLAIB-BLDG	EMERGENCY TYPE H	4	1X4L2L78	1X4 2L T8 FIXTURE ELECTRONIC	4	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	0.35	0.20	3048	1787
CLAIB-BLDG	MEETING ROOM TYPE L	40	F232	2-32 W FLOURESCENT FIXTURE	40	LED20HWRCKIT8	20 WATT LED REC OR BOX MT TRIM KIT	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-MD OR EQUAL	90%	72	22	3108	3107	ESMT	2.59	1.80	8950	6215
CLAIB-BLDG	RESTROOM TYPE H	4	F232	2-32 W FLOURESCENT FIXTURE	4	LED20HWRCKIT8	20 WATT LED REC OR BOX MT TRIM KIT	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-MD OR EQUAL	90%	72	22	4983	4982	ESRR	0.26	0.18	1435	997
CLAIB-BLDG	HALL TYPE L	37	F232	2-32 W FLOURESCENT FIXTURE	37	LED20HWRCKIT8	20 WATT LED REC OR BOX MT TRIM KIT	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-MD OR EQUAL	90%	72	22	5779	5779	ESH	2.40	1.67	15396	10692
CLAIB-BLDG	HALL TYPE M	8	1X8L4T8PEN	1X8 4L T8 PENDANT FIXTURE	8	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	5779	5779	ESH	0.82	0.45	5271	2867
CLAIB-BLDG	MEETING ROOM TYPE M	20	1X8L4T8PEN	1X8 4L T8 PENDANT FIXTURE	20	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	3108	3107	ESMT	2.05	1.12	7096	3854
CLAIB-BLDG	PRIVATE OFFICE TYPE M	122	1X8L4T8PEN	1X8 4L T8 PENDANT FIXTURE	122	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2997	2997	ESPO	12.52	6.81	41682	28669
CLAIB-BLDG	OPEN OFFICE TYPE M	206	1X8L4T8PEN	1X8 4L T8 PENDANT FIXTURE	206	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687	ESPO	21.14	11.49	110074	59665
CLAIB-BLDG	FILE ROOM TYPE M	16	1X8L4T8PEN	1X8 4L T8 PENDANT FIXTURE	16	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687	ESPO	1.84	0.89	1326	811
CLAIB-BLDG	MECHANICAL TYPE S	23	1X4L2L78	1X4 2L T8 FIXTURE ELECTRONIC	23	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	0.20	0.87	5403	3633
CLAIB-BLDG	MECHANICAL TYPE S	4	1X4L2L78	1X4 2L T8 FIXTURE ELECTRONIC	4	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2700	2700	STO	0.21	0.14	626	421
CLAIB-BLDG	OPEN OFFICE TYPE S	2	1X4L2L78	1X4 2L T8 FIXTURE ELECTRONIC	2	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESPO	0.10	0.06	544	319
CLAIB-BLDG	PRIVATE OFFICE TYPE T	32	1X4L2T8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	32	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2997	2997	ESPO	1.67	0.98	5562	3261
CLAIB-BLDG	OPEN OFFICE TYPE T	43	1X4L2T8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	43	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESPO	2.24	1.32	11690	6563
CLAIB-BLDG	MEETING ROOM TYPE T	10	1X4L2T8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	10	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3108	3107	ESMT	0.52	0.31	1802	1057
CLAIB-BLDG	FILES TYPE A	38	2X4L3T8PARA	2X4 3L T8 PARABOLIC	38	3D4F4800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4687	4687	ESPO	3.01	1.78	15674	9262
CLAIB-BLDG	MECHANICAL TYPE A	1	2X4L3T8PARA	2X4 3L T8 PARABOLIC	1	3D4F4800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4050	4050	MECH	0.08	0.28	324	211
CLAIB-BLDG	LIBRARY TYPE A	6	2X4L3T8PARA	2X4 3L T8 PARABOLIC	6	3D4F4800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4050	4050	ESLB	0.48	0.28	2138	1284
CLAIB-BLDG	STORAGE ROOM TYPE A	1	2X4L3T8PARA	2X4 3L T8 PARABOLIC	1	3D4F4800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	0.08	0.05	238	140
CLAIB-BLDG	HALL TYPE D	43	2X2L2BIAHEL	2X2 2L ELECTRONIC BIAH	43	2D2F7KIT2800L	2LT 2FT T8 LED 2800L W/SOCKET KIT US TO Z	2LT 2FT T8 LED 2800L W/SOCKET KIT US TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	70	23	5779	5779	ESH	2.71	1.82	17396	11880
CLAIB-BLDG	HALL TYPE E	24	1X4L2L78	1X4 2L T8 FIXTURE ELECTRONIC	24	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4983	4982	ESRR	0.31	0.41	6396	4054
CLAIB-BLDG	EMERGENCY TYPE H	4	1X4L2L78	1X4 2L T8 FIXTURE ELECTRONIC	4	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	0.35	0.20	3048	1787
CLAIB-BLDG	RESTROOM TYPE L	4	F232	2-32 W FLOURESCENT FIXTURE	4	LED20HWRCKIT8	20 WATT LED REC OR BOX MT TRIM KIT	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-MD OR EQUAL	90%	72	22	4983	4982	ESRR	0.26	0.18	1435	997
CLAIB-BLDG	HALL TYPE F	27	F232	2-32 W FLOURESCENT FIXTURE	27	LED20HWRCKIT8	20 WATT LED REC OR BOX MT TRIM KIT	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-MD OR EQUAL	90%	72	22	5779	5779	ESH	1.75	1.22	11235	7802
CLAIB-BLDG	MEET ROOM TYPE L	17	F232	2-32 W FLOURESCENT FIXTURE	17	LED20HWRCKIT8	20 WATT LED REC OR BOX MT TRIM KIT	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-MD OR EQUAL	90%	72	22	3108	3107	ESMT	1.25	0.70	3824	2442
CLAIB-BLDG	HALL TYPE M	6	1X8L4T8PEN	1X8 4L T8 PENDANT FIXTURE	6	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	5779	5779	ESH	0.62	0.33	3993	2150
CLAIB-BLDG	PRIVATE OFFICE TYPE M	240	1X8L4T8PEN	1X8 4L T8 PENDANT FIXTURE	240	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2997	2997	ESPO	24.62	13.39	81998	44595
CLAIB-BLDG	OPEN OFFICE TYPE M	154	1X8L4T8PEN	1X8 4L T8 PENDANT FIXTURE	154	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687	ESPO	18.00	8.59	82288	44753
CLAIB-BLDG	PRIVATE OFFICE TYPE M	1	1X8L4T8PEN	1X8 4L T8 PENDANT FIXTURE	1	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687	ESPO	0.10	0.06	628	321
CLAIB-BLDG	MECHANICAL TYPE S	30	1X4L2L78	1X4 2L T8 FIXTURE ELECTRONIC	30	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.57	1.05	7047	4739
CLAIB-BLDG	STORAGE TYPE S	4	1X4L2L78	1X4 2L T8 FIXTURE ELECTRONIC	4	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2700	2700	STO	0.21	0.14	626	421
CLAIB-BLDG	PRIVATE OFFICE TYPE T	11	1X4L2T8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	11	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2997	2997	ESPO	0.57	0.34	1912	1121
CLAIB-BLDG	OPEN OFFICE TYPE T	26	1X4L2T8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	26	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESPO	1.36	0.80	7068	4143
CLAIB-BLDG	FILE ROOM TYPE T	2	1X4L2T8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	2	2D4F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESPO	0.10	0.06	544	319
CLAIB-BLDG	HALL TYPE T	85	1X4L2T8PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	85	2D4F3200L	2												

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Proposed System)	Constid Of	Diversity Factor	Pre Hours	Post Hours	Pre Post Hours	Hour Group Code	Monthly kWh Saved	Existing kWh Saved	Annual kWh Saved		
CLAIB-BLDG	OFFICE TYPE T	33	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	33	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687.2	ESCO	1.72	1.01	8971	5259
CLAIB-BLDG	MEETING ROOM TYPE T	2	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	2	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3108	3107.7	ESMTG	0.10	0.06	360	211
CLAIB-BLDG	HALL TYPE T	44	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	44	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	5779	5779.4	ESH	2.30	1.35	14749	8646
CLAIB-BLDG	LIBRARY TYPE T	1	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	1	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4050	4050	ESLUB	0.03	0.03	235	138
CLAIB-BLDG	STORAGE TYPE T	2	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	2	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2700	2700	STO	0.10	0.06	313	184
CLAIB-BLDG	FILES TYPE A	19	2X43L78PARA	2X4 3L T8 PARABOLIC	19	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4687	4687.2	ESCO	1.50	0.89	7937	4631
CLAIB-BLDG	PRIVATE OFFICE TYPE A	3	2X43L78PARA	2X4 3L T8 PARABOLIC	3	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2997	2997	STO	0.44	0.71	468	287
CLAIB-BLDG	COPY ROOM TYPE A	8	2X43L78PARA	2X4 3L T8 PARABOLIC	8	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3760	3760	ESCOPY	0.63	0.37	2661	1572
CLAIB-BLDG	OPEN OFFICE TYPE A	4	2X43L78PARA	2X4 3L T8 PARABOLIC	4	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4687	4687.2	ESLUB	0.32	0.19	1650	935
CLAIB-BLDG	LIBRARY TYPE A	10	2X43L78PARA	2X4 3L T8 PARABOLIC	10	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4050	4050	ESCO	0.79	0.47	3564	2106
CLAIB-BLDG	STORAGE ROOM TYPE A	5	2X43L78PARA	2X4 3L T8 PARABOLIC	5	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	0.40	0.23	318	702
CLAIB-BLDG	HALL TYPE D	44	2X2L2BIAHEL	2X2 2L ELECTRONIC BIAH	44	2D2FTKIT2800L	2LT 2FT T8 LED 2800L W/3000L KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	70	23	5779	5779.4	ESH	2.77	1.96	17800	11892
CLAIB-BLDG	RESTROOM TYPE E	24	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	24	2D4F72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESRR	1.25	0.84	6936	4664
CLAIB-BLDG	EMERGENCY TYPE H	6	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	6	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	5779	5779.4	ESH	0.31	0.18	2011	1179
CLAIB-BLDG	MEETING ROOM TYPE L	26	F232	2-32 W FLUORESCENT FIXTURE	26	LED20HWRCKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-MD OR EQUAL	90%	72	22	3108	3107.7	ESMTG	1.68	1.17	5818	4040
CLAIB-BLDG	RESTROOM TYPE L	4	F232	2-32 W FLUORESCENT FIXTURE	4	LED20HWRCKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-MD OR EQUAL	90%	72	22	4983	4982.9	ESRR	0.26	0.18	1435	997
CLAIB-BLDG	HALL TYPE L	30	F232	2-32 W FLUORESCENT FIXTURE	30	LED20HWRCKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-MD OR EQUAL	90%	72	22	5779	5779.4	ESH	1.94	1.38	12483	8669
CLAIB-BLDG	HALL TYPE M	7	1X84L78FN	1X8 4L T8 PENDANT FIXTURE	7	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	90%	114	52	5779	5779.4	ESH	0.72	0.39	4612	2508
CLAIB-BLDG	MEETING RM TYPE M	14	1X84L78FN	1X8 4L T8 PENDANT FIXTURE	14	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	90%	114	52	3108	3107.7	ESMTG	1.44	0.78	4960	2897
CLAIB-BLDG	PRIVATE OFFICE TYPE M	94	1X84L78FN	1X8 4L T8 PENDANT FIXTURE	94	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	90%	114	52	2997	2997	ESPO	0.64	0.25	32118	17467
CLAIB-BLDG	STORAGE ROOM TYPE M	2	1X84L78FN	1X8 4L T8 PENDANT FIXTURE	2	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	90%	114	52	2700	2700	STO	0.21	0.11	616	335
CLAIB-BLDG	OPEN OFFICE TYPE M	176	1X84L78FN	1X8 4L T8 PENDANT FIXTURE	176	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	90%	114	52	4687	4687.2	ESCO	1.86	0.92	94044	51147
CLAIB-BLDG	LIBRARY TYPE M	11	1X84L78FN	1X8 4L T8 PENDANT FIXTURE	11	4D4F76400LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	90%	114	52	4050	4050	ESLUB	0.41	0.22	1044	1024
CLAIB-BLDG	STORAGE TYPE M	11	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	11	2D4F72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2700	2700	STO	0.57	0.39	1723	1158
CLAIB-BLDG	PRIVATE OFFICE TYPE T	21	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	21	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2997	2997	ESPO	1.10	0.64	3650	2140
CLAIB-BLDG	HALL TYPE T	47	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	47	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	5779	5779.4	ESH	2.45	1.44	15755	9235
CLAIB-BLDG	OPEN OFFICE TYPE T	17	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	17	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687.2	ESCO	0.89	0.52	4622	2700
CLAIB-BLDG	MEETING ROOM TYPE T	1	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	1	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3108	3107.7	ESMTG	0.05	0.03	180	106
CLAIB-BLDG	STAIRS	42	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	42	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EXT	2.44	1.44	21338	12509
CLAIB-BLDG	EXTERIOR	24	MH100CM	100W METAL HALIDE CEILING MOUNT	24	LED30HWRCKIT10'	30 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-30-40-MD OR EQUAL	10%	125	35	4380	4380	EXT	0.30	0.22	13140	9461
CLAIB-BLDG	EXTERIOR	24	F242	2-42W FLUOR FIXTURE	24	LED20HWRCKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-MD OR EQUAL	10%	84	22	3380	3380	EXT	0.20	0.15	8830	6517
CLAIB-BLDG	EXTERIOR	18	MH175WP	175W METAL HALIDE WALL PACK	18	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.38	0.31	16793	13639
CLAIB-BLDG	SENSOR VARIOUS	8	NO EXISTING P.E. CONTROL	NO EXISTING P.E. CONTROL	8	NEWLED40GARTOC	40 WATT LED GARAGE FIXTURE-TOP TIER	ALR 120 OR 277 VOLT W/3000L CONTRACTOR VERIFY.	0%	0	0	0	0	S	0.00	0.00	0	0
CLAIB-BLDG	SENSOR VARIOUS	1	NOPE	NO EXISTING P.E. CONTROL	1	PECCONTROL	NEW P.E. CONTROLS FOR EXTERIOR LIGHTS	ALR AT-30 FOR TORX 3000 PER SPECIFICATIONS.	0%	0	0	0	0	S	0.00	0.00	0	0
CLAIB-BLDG	SENSOR VARIOUS	6	DIMMER	EXIST. DIMMER ON INCANDESCENT	6	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	0%	0	0	0	0	S	0.00	0.00	0	0
CLAIB-BLDG	VARIOUS BLDGS	12	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	12	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2700	2700	STO	0.63	0.37	1879	1102
CLAIB-BLDG	VARIOUS BLDGS	12	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	12	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2700	2700	STO	0.63	0.37	1879	1102
CLAIB-BLDG	VARIOUS BLDGS	12	2X2L2BIAHEL	2X2 2L ELECTRONIC BIAH	12	2D2FTKIT2800L	2LT 2FT T8 LED 2800L W/3000L KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	70	23	2700	2700	STO	0.76	0.51	2268	1523
CLAIB-BLDG	VARIOUS BLDGS	12	2X43L78PARA	2X4 3L T8 PARABOLIC	12	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	0.95	0.56	2851	1685
CLAIB-BLDG	VARIOUS ITEMS	6	NOLENS	NO EXISTING LENS OR EXIST STING IS BROKEN	6	NEW2X4LENS	NEW 2X4 LENS .125 CUT TO SIZE	ALP .125 2X4 PRISMATIC LENS CUT TO SIZE	0%	0	0	0	0	NO	0.00	0.00	0	0
CLAIB-BLDG	VARIOUS ITEMS	6	NOLENS	NO EXISTING LENS OR EXIST STING IS BROKEN	6	NEWWRAPLENS	NEW WRAP LENS CUSTOM	ALP CUSTOM WRAP AROUND LENS PER SAMPLE	0%	0	0	0	0	NO	0.00	0.00	0	0
CLAIB-GAR	LEVEL 1 BASEMENT	106	MH175CM	175W METAL HALIDE CEILING MOUNT	106	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	100%	213	25	8760	8760	GAR	22.58	19.9733	174569	174569
CLAIB-GAR	LEVEL 1 BASEMENT (UNDER RAMPS)	13	MH175CM	175W METAL HALIDE CEILING MOUNT	13	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	25	8760	8760	GAR	2.77	2.44	24256	21409
CLAIB-GAR	LEVEL 1 BASEMENT (PER LIGHTING)	21	MH175CM	175W METAL HALIDE CEILING MOUNT	21	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	90%	213	25	3445	3445.2	GARLD	4.03	3.55	15410	13802
CLAIB-GAR	LEVEL 2 - GROUND LEVEL	115	MH175CM	175W METAL HALIDE CEILING MOUNT	115	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	25	8760	8760	GAR	23.50	21.62	214576	189391
CLAIB-GAR	LEVEL 2 - GROUND LEVEL (ENTRANCE)	89	MH175CM	175W METAL HALIDE CEILING MOUNT	89	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	25	8760	8760	GAR	18.96	16.73	166063	146572
CLAIB-GAR	LEVEL 3	91	MH175CM	175W METAL HALIDE CEILING MOUNT	91	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	25	6772	6771.6	GARLC	19.38	17.11	131254	115849
CLAIB-GAR	GARAGE ROOF	20	MH400SB	400W METAL HALIDE SHOE BOX	20	NEWLED150SBOC	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	DECO D824-150-50-.....	10%	450	94	4380	4380	EXT	0.90	0.71	39420	31186
CLAIB-GAR	GARAGE WALL MOUNT EXTERIOR	8	MH175WP	175W METAL HALIDE WALL PACK	8	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.17	0.14	7464	6062
CLAIB-GAR	GARAGE WALL MOUNT EXTERIOR	7	MH175FL	175W METAL HALIDE FLOOD	7	NEWLED50FL	50 WATT LED FLOOD	NEW 50 WATT LED FLOOD	10%	213	50	4380	4380	EXT	0.15	0.11	6531	4998
CLAIB-GAR	GARAGE STAR	7	MH100CM	100W METAL HALIDE CEILING MOUNT	7	LED40HWSURKIT	40 WATT LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	10%	125	40	4380	4380	EXT	0.09	0.06	3833	2606
CLAIB-GAR	GARAGE STAR	7	MH100CM	100W METAL HALIDE CEILING MOUNT	7	LED40HWSURKIT	40 WATT LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	10%	125	40	4380	4380	EXT	0.09	0.06	3833	2606
CLAIB-GAR	GARAGE VARIOUS	5	1X42L78	1X4 2L T8 VAPOR TIGHT	5	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	9									

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consolid #	Diversity Factor	Pre Watts	Post Watts	Pre Hour	Post Hour	Hourly kWh Saved	Monthly kWh Saved	Existing kWh	Annual kWh Saved	
1SRCKTCOURT	STORAGE TYPE L1	3	1X43L78	1X4 3L T8 FIXTURE	3	304F13600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	2700	2700	STO	0.24	0.16	713	470
1SRCKTCOURT	STORAGE TYPE B1	3	2X43L78	2X4 3L T12 PARABOLIC	3	304F13600L	3LT 14FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	88	30	2700	2700	STO	0.24	0.16	713	470
1SRCKTCOURT	STORAGE TYPE B3	1	2X42LL	2X4 2L T12 LAY IN	1	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	19	2700	2700	EM	0.06	0.05	189	138
1SRCKTCOURT	STAIRS EM TYPE J1	2	1X42LLWM	1X4 2L WALL MOUNT	2	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	19	8760	8760	EM	0.14	0.10	1226	894
1SRCKTCOURT	STAIRS EM TYPE J2	2	1X42LLWM	1X4 2L WALL MOUNT	2	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	19	8760	8760	EM	0.14	0.10	1226	894
1SRCKTCOURT	STAIRS EM TYPE J3	2	1X42LLWM	1X4 2L WALL MOUNT	2	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	19	8760	8760	EM	0.14	0.10	1226	894
1SRCKTCOURT	HALLS TYPE A2	12	2X43L.PARA	2X4 3L T12 PARABOLIC	12	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	110	24	7142	7141.5	H	1.32	1.03	9427	7370
1SRCKTCOURT	HALLS TYPE B1	1	2X43L.PARA	2X4 3L T12 PARABOLIC	1	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	110	24	7142	7141.5	H	1.11	0.99	786	614
1SRCKTCOURT	HALLS TYPE E	1	2X43L.PARA	2X2 2L U8 PARABOLIC	1	LED22FKITVLNS3000L	LED 2X2 2000 L CONVERSION KIT W LENS	2LT 2 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	70	16	7142	7141.5	H	0.07	0.05	500	386
1SRCKTCOURT	HALLS TYPE X	20	EX17WBFL	2-9W FLUOR EXIT W/BATT	20	NEWXLEDWBCA	NEW LED CAST ALUM. EXIT W/ BATTERY	2LT 2 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	15	2	8760	8760	EM	0.30	0.26	2626	2278
1SRCKTCOURT	HALLS TYPE A3	4	2X43L.PARA	2X4 3L T12 PARABOLIC	4	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	110	24	7142	7141.5	H	0.44	0.34	3142	2457
1SRCKTCOURT	HALL TYPE S	14	FLE27	27W FLUOR ADAPTER	14	LED10WBULLB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	100%	27	10	7142	7141.5	H	0.38	0.24	2699	1700
1SRCKTCOURT	HALL TYPE M	3	FLE27	27W FLUOR ADAPTER	3	LED10WBULLB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	100%	27	10	7142	7141.5	H	0.08	0.06	578	364
1SRCKTCOURT	PRIVATE OFFICE TYPE B1	21	2X43L.PARA	2X4 3L T12 PARABOLIC	21	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	110	24	3013	3013.2	PO	2.08	1.63	6960	5442
1SRCKTCOURT	PRIVATE OFFICE TYPE B2	4	2X44L.T8PARA	2X4 4L T8 PARABOLIC	4	LED24FKITVLNS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	114	33	3013	3013.2	PO	0.41	0.29	1374	976
1SRCKTCOURT	OPEN OFFICE TYPE B2	12	2X44L.T8PARA	2X4 4L T8 PARABOLIC	12	LED24FKITVLNS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	114	33	7430	7430.4	ESKO	1.37	0.97	10165	7222
1SRCKTCOURT	FILE ROOM B	17	2X42LL	2X4 2L T12 LAY IN	17	204F12400L	2LT 2 FT T8 LED W/2400L DRIVER	2LT 2 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	70	24	2700	2700	STO	1.07	0.70	3213	2111
1SRCKTCOURT	COMPUTER ROOM B2	3	2X44L.PARA	2X4 4L T12 PARABOLIC	3	LED22FKITVLNS4000L	2X2 LED 4000L CONVERSION KIT W LENS	2LT 2 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	140	32	8760	8760	LAB	0.42	0.32	3679	2638
1SRCKTCOURT	COMPUTER ROOM B3	2	2X42LL	2X4 2L T12 LAY IN	2	LED24FKITVLNS3000L	2LT 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	70	24	8760	8760	LAB	0.14	0.09	1226	806
1SRCKTCOURT	MAIL ROOM A2	3	2X43L.PARA	2X4 3L T12 PARABOLIC	3	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	110	24	2700	2700	STO	0.30	0.23	891	697
1SRCKTCOURT	KITCHENING L1	4	1X42L.S	1X4 2L T12 STRIP	4	204F12400L	4LT 4FT T8 LED W/2400L DRIVER	4LT 2400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	58	16	4050	4050	KIT	0.52	0.18	1134	306
1SRCKTCOURT	KITCHENING B1	6	2X43L.PARA	2X4 3L T12 PARABOLIC	6	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	110	24	4050	4050	KIT	0.59	0.46	2673	2090
1SRCKTCOURT	RESTROOMS TYPE A2	4	2X42L.T8	2X4 2L T8 FIXTURE ELECTRONIC	4	304F13600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	4983	4982.9	ESRR	0.32	0.21	1754	1156
1SRCKTCOURT	RESTROOMS TYPE A3	10	2X42L.T8	2X4 2L T8 FIXTURE ELECTRONIC	10	304F13600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	110	30	4983	4982.9	ESRR	0.32	0.21	1754	1156
1SRCKTCOURT	RESTROOMS TYPE E	2	2X2L6T8	2X2 2L T8 U8 ELECTRONIC	2	2ZD2FKIT2200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	58	58	4983	4982.9	ESRR	0.10	0.07	578	399
1SRCKTCOURT	RESTROOMS TYPE F1	2	2X2L6T8	2X2 2L T8 U8 ELECTRONIC	2	2ZD2FKIT2200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	58	58	4983	4982.9	ESRR	0.10	0.07	578	399
1SRCKTCOURT	RESTROOM TYPE C	4	1X42LL	1X4 2L T12 LAY IN	4	204F12400L	4LT 4FT T8 LED W/2400L DRIVER	4LT 2400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	70	19	4983	4982.9	ESRR	0.25	0.18	1395	1017
1SRCKTCOURT	COURT ROOM TYPE A2	65	2X43L.PARA	2X4 3L T12 PARABOLIC	65	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	110	24	2700	2700	STO	4.26	4.26	16336	12711
1SRCKTCOURT	COURT ROOM TYPE D1	18	INC7526	75W INCANDESCENT RECESSED CAN	18	LED10HWRECKIT8"	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 605 830 WHX6T6 OR EQUAL	90%	67	10	2700	2700	CRT	1.09	0.92	3256	2770
1SRCKTCOURT	COURT ROOM TYPE D2	35	F226	2-6W FLUOR FIXTURE	35	LED15HWRECKIT8"	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	2700	2700	CRT	1.64	1.23	4914	3686
1SRCKTCOURT	COURT ROOM TYPE X	3	EX17WBFL	2-9W FLUOR EXIT W/BATT	3	NEWXLEDWBCA	NEW LED CAST ALUM. EXIT W/ BATTERY	SURELIGHTS CX-7-120-R-B	100%	15	2	8760	8760	EM	0.05	0.04	394	342
1SRCKTCOURT	COURT ROOM TYPE X2	3	EX17WBFL	2-9W FLUOR EXIT W/BATT	3	NEWXLEDWBCA	NEW LED CAST ALUM. EXIT W/ BATTERY	SURELIGHTS CX-7-120-R-B	100%	15	2	8760	8760	EM	0.05	0.04	394	342
1SRCKTCOURT	MECH TYPE A1	1	2X43LL	2X4 3L T12 LAY IN	1	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	110	24	4050	4050	MECH	0.10	0.08	446	348
1SRCKTCOURT	MECH L2	16	1X42L.S	1X4 2L T12 STRIP	16	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	70	19	4050	4050	MECH	1.01	0.73	4536	3305
1SRCKTCOURT	STORAGE TYPE A2	2	2X43L.PARA	2X4 3L T12 PARABOLIC	2	304F13600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	110	30	2700	2700	STO	0.20	0.14	594	432
1SRCKTCOURT	STORAGE TYPE A1	1	2X43L.PARA	2X4 3L T12 PARABOLIC	1	304F13600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	110	30	2700	2700	STO	0.20	0.14	594	432
1SRCKTCOURT	STAIRS EM TYPE J1	4	1X42LLWM	1X4 2L WALL MOUNT	4	204F12400L	4LT 4FT T8 LED W/2400L DRIVER	4LT 2400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	100%	70	19	8760	8760	EM	0.28	0.20	2453	1747
1SRCKTCOURT	HALLS TYPE A1	5	2X42L.T8	2X4 2L T8 FIXTURE	5	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	58	24	7142	7141.5	H	0.29	0.17	2071	1214
1SRCKTCOURT	HALLS TYPE D1	4	INC150	150W INCANDESCENT FIXTURE	4	LED20HWRECKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-9R-18-40-MD OR EQUAL	100%	135	22	7142	7141.5	H	0.54	0.45	3656	3228
1SRCKTCOURT	HALLS TYPE E1	1	2X43L.PARA	2X4 3L T12 PARABOLIC	1	LED22FKITVLNS3000L	LED 2X2 2000 L CONVERSION KIT W LENS	2LT 2 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	70	16	7142	7141.5	H	0.07	0.05	408	308
1SRCKTCOURT	HALLS TYPE F2	28	2X2L.T8	2X2 2L T8 FIXTURE	28	LED22FKITVLNS3000L	LED 2X2 2000 L CONVERSION KIT W LENS	2LT 2 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	51	16	7142	7141.5	H	1.43	0.98	10198	6998
1SRCKTCOURT	HALLS TYPE N	1	F226	2-6W FLUOR FIXTURE	1	LED10HWRECKIT8"	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 605 830 WHX6T6 OR EQUAL	100%	52	10	7142	7141.5	H	0.05	0.04	314	230
1SRCKTCOURT	HALLS TYPE X	15	2-9W FLUOR EXIT W/BATT	2-9W FLUOR EXIT W/BATT	15	NEWXLEDWBCA	NEW LED CAST ALUM. EXIT W/ BATTERY	SURELIGHTS CX-7-120-R-B	100%	15	2	8760	8760	EM	0.03	0.20	1671	1708
1SRCKTCOURT	HALLS TYPE A3	40	2X43L.PARA	2X4 3L T12 PARABOLIC	40	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	110	24	7142	7141.5	H	4.00	3.44	3173	2467
1SRCKTCOURT	HALL TYPE S	8	FLE27	27W FLUOR ADAPTER	8	LED10WBULLB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	100%	27	10	7142	7141.5	H	0.22	0.14	1543	971
1SRCKTCOURT	HALL TYPE M	2	FLE27	27W FLUOR ADAPTER	2	LED10WBULLB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	100%	27	10	7142	7141.5	H	0.05	0.03	386	243
1SRCKTCOURT	PRIVATE OFFICE TYPE A2	24	2X43L.PARA	2X4 3L T12 PARABOLIC	24	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	110	24	3013	3013.2	PO	0.63	0.29	1849	3619
1SRCKTCOURT	PRIVATE OFFICE TYPE A3	56	2X44L.PARA	2X4 4L T12 PARABOLIC	56	LED24FKITVLNS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	140	33	3013	3013.2	PO	6.93	5.30	23202	17733
1SRCKTCOURT	CHAMBER OFFICE A3	36	2X43L.PARA	2X4 3L T12 PARABOLIC	36	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	110	24	5400	5400	SCHAM	5.26	2.79	2184	16718
1SRCKTCOURT	CHAMBER OFFICE D1	12	1X42LL	1X4 2L T12 LAY IN	12	LED14FKITVLNS3000L	LED 2000 L LAMP CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	70	16	5400	5400	SCHAM	0.76	0.58	4536	3499
1SRCKTCOURT	CHAMBER OFFICE D2	12	1X42LL	1X4 2L T12 LAY IN	12	LED14FKITVLNS3000L	LED 2000 L LAMP CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	70	16	5400	5400	SCHAM	0.76	0.58	4536	3499
1SRCKTCOURT	FILE ROOM A1	6	2X42LL	2X4 2L T8 FIXTURE	6	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	70	24	5400	5400	COPIY	0.25	0.15	1588	1043
1SRCKTCOURT	RESTROOMS TYPE A1	6	2X42L.T8	2X4 2L T8 FIXTURE	6	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	5297	5297.4	RR	0.31	0.21	1643	1

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Proposed System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hour	Post Hour	Hour Group	Monthly kWh Saved	Existing kWh	Annual kWh Saved	
GALVEZ-BLDG	FILES TYPE C12	8	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	8	404F7400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687	ESCO	0.82	4.45	4275	2325
GALVEZ-BLDG	OPEN OFFICE TYPE A	14	2X43L78	1X4 2L T8 FIXTURE	14	204F7320UL	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESCO	0.73	0.43	3606	2211
GALVEZ-BLDG	OPEN OFFICE TYPE C4	2	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	2	404F7320UL	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESCO	0.10	0.06	444	319
GALVEZ-BLDG	OPEN OFFICE TYPE C8	9	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	9	404F7400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687	ESCO	0.82	0.50	4609	2815
GALVEZ-BLDG	OPEN OFFICE TYPE C12	35	1X126L78PEN	1X12 6L T8 PENDANT FIXTURE	35	404F7400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	36	15	4687	4687	ESCO	0.26	0.16	1266	784
GALVEZ-BLDG	CONF CTR MTO RMS TYPE P1/A1/2	20	2X24L78	2X2 2L T8 UE ELECTRONIC	120	202F7160LD	2LT 2FT T8 LED W/1600L DIM DRIVER	2LT 1600 LUMEN DIMMABLE DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	58	19	3108	3107	ESMTG	0.96	0.47	21630	11755
GALVEZ-BLDG	MEETING ROOM TYPE D6, D8 H	76	F232	2-32 W FLOURESCENT FIXTURE	76	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	22	3108	3107	ESMTG	4.92	3.42	17005	11809
GALVEZ-BLDG	MEETING ROOM CONTROLS	5	DIMMER	EXIST DIMMER ON INCANDESCENT	5	DIMMERLED	NEW LED DIMMER PANEL 4 CIRCUIT	LUTRON LED 4 CKT DIMMING PANEL PER SPECIFICATIONS	90%	0	0	3108	3107	ESMTG	0.00	0.00	0	0
GALVEZ-BLDG	MEETING ROOM CONTROLS	15	DIMMER	EXIST DIMMER ON INCANDESCENT	15	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	0%	0	0	0	0	NO	0.00	0.00	0	0
GALVEZ-BLDG	MEETING ROOM TYPE C	1	1X43L78	1X4 3L T8 FIXTURE	1	304F7360LD	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	3108	3107	ESMTG	0.08	0.05	273	180
GALVEZ-BLDG	MEETING ROOM TYPE C8	6	1X43L78	1X4 3L T8 FIXTURE	6	304F7360LD	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	3108	3107	ESMTG	0.12	0.08	331	204
GALVEZ-BLDG	MEETING ROOM TYPE C12	1	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	1	404F7400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	3108	3107	ESMTG	0.10	0.06	354	193
GALVEZ-BLDG	MAIL ROOM TYPE 1	2	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	2	304F7400UL	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4687	4687	ESCO	0.16	0.09	825	487
GALVEZ-BLDG	RESTROOMS TYPE A	13	2X42L78	2X4 2L T8 FIXTURE	13	204F7240UL	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982	ESRR	0.68	0.46	3757	2526
GALVEZ-BLDG	RESTROOMS TYPE F	11	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	11	204F7240UL	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982	ESRR	0.57	0.39	3179	2138
GALVEZ-BLDG	MECH TYPE A	2	2X42L78	2X4 2L T8 FIXTURE	2	204F7240UL	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.00	0.07	470	316
GALVEZ-BLDG	MECH TYPE A OR P	6	2X42L78	2X4 2L T8 FIXTURE W/EXISTING REFLECTOR	6	204F7240UL	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.01	0.21	1409	848
GALVEZ-BLDG	STORAGE TYPE A	13	2X43L78UJ	2X4 3L T8 LAY IN	13	304F7360LD	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	2700	2700	STO	0.33	0.68	3809	2036
GALVEZ-BLDG	STORAGE TYPE A OR P	11	2X43L78UJ	2X4 3L T8 LAY IN	11	304F7360LD	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	2700	2700	STO	0.87	0.57	2614	1723
GALVEZ-BLDG	MECHANICAL TYPE F	39	1X42L78S	1X4 2L T8 STRIP	39	204F7240UL	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	2.04	1.37	9181	6160
GALVEZ-BLDG	MECHANICAL TYPE D6/D8	3	1X42L78S	1X4 2L T8 STRIP	3	204F7240UL	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2700	2700	STO	0.16	0.11	470	316
GALVEZ-BLDG	MECHANICAL TYPE D6/D8	4	F232	2-32 W FLOURESCENT FIXTURE	4	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	23	3108	3107	ESMTG	0.23	0.11	1156	656
GALVEZ-BLDG	LIBRARY TYPE C4	1	1X43L78	1X4 3L T8 FIXTURE	1	304F7360LD	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	4050	4050	ESLB	0.08	0.05	356	235
GALVEZ-BLDG	LIBRARY TYPE C3	31	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	31	404F7400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4050	4050	ESLB	1.18	0.73	14313	7384
GALVEZ-BLDG	HALLS TYPE D8	16	F232	2-32 W FLOURESCENT FIXTURE	16	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	23	3108	3107	ESMTG	0.14	0.12	2011	1352
GALVEZ-BLDG	HALLS TYPE D9	16	F232	2-32 W FLOURESCENT FIXTURE	16	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	23	3108	3107	ESMTG	0.14	0.12	2011	1352
GALVEZ-BLDG	HALLS TYPE P1	4	2X2L78	2X2 2L T8 FIXTURE	4	302F7250UL	3LT 2FT T8 LED W/2500L DRIVER	3LT 2500 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP	90%	51	20	5779	5779	ESMTG	0.18	0.11	1179	717
GALVEZ-BLDG	KITCHENING TYPE A	3	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	3	304F7400UL	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2025	2025	ESKIT	0.24	0.14	535	316
GALVEZ-BLDG	KITCHENING TYPE A	3	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	3	304F7400UL	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2025	2025	ESKIT	0.24	0.14	535	316
GALVEZ-BLDG	EMERGENCY STAIRS TYPE B	4	1X42L78S	1X4 2L T8 STRIP	4	204F7240UL	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.23	0.16	2032	1367
GALVEZ-BLDG	EMERGENCY STAIRS TYPE B	4	1X42L78S	1X4 2L T8 STRIP	4	204F7240UL	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.23	0.16	2032	1367
GALVEZ-BLDG	OPEN OFFICE TYPE A	12	2X43L78	2X4 3L T8 FIXTURE	12	204F7320UL	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESCO	0.63	0.37	3262	1912
GALVEZ-BLDG	OPEN OFFICE TYPE C4	9	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE ELECTRONIC	9	204F7320UL	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESCO	0.78	0.46	4078	2390
GALVEZ-BLDG	OPEN OFFICE TYPE C8	42	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE ELECTRONIC	42	404F7400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687	ESCO	3.41	2.34	22442	12205
GALVEZ-BLDG	OPEN OFFICE TYPE C12	125	1X126L78PEN	1X12 6L T8 PENDANT FIXTURE	250	304F7480UL	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	171	36	4687	4687	ESCO	19.24	11.14	100189	58004
GALVEZ-BLDG	MEETING ROOM TYPE D6, D8 H	18	F232	2-32 W FLOURESCENT FIXTURE	18	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	23	3108	3107	ESMTG	1.17	0.96	4028	3300
GALVEZ-BLDG	MEETING ROOM C	1	1X43L78	1X4 3L T8 FIXTURE	1	304F7360LD	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	3108	3107	ESMTG	0.08	0.05	273	180
GALVEZ-BLDG	MEETING ROOM TYPE C12	1	1X126L78PEN	1X12 6L T8 PENDANT FIXTURE	1	304F7480UL	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	236	36	3108	3107	ESMTG	0.21	0.17	1179	717
GALVEZ-BLDG	RESTROOMS TYPE A	5	2X42L78	2X4 2L T8 FIXTURE	5	204F7240UL	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4983	4982	ESRR	0.26	0.15	1445	847
GALVEZ-BLDG	RESTROOMS TYPE F	5	1X42L78S	1X4 2L T8 STRIP	5	204F7240UL	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982	ESRR	0.26	0.15	1445	847
GALVEZ-BLDG	STORAGE TYPE A OR P	2	2X43L78UJ	2X4 3L T8 LAY IN	2	304F7360LD	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	2700	2700	STO	0.31	0.21	940	632
GALVEZ-BLDG	STORAGE TYPE A OR P	2	2X43L78UJ	2X4 3L T8 LAY IN	2	304F7360LD	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	2700	2700	STO	0.31	0.21	940	632
GALVEZ-BLDG	MECHANICAL TYPE A OR P	23	1X42L78S	1X4 2L T8 STRIP	23	204F7240UL	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.20	0.81	5403	3633
GALVEZ-BLDG	COPY TYPE A	4	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	4	304F7480UL	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4687	4687	ESCO	0.19	0.15	1650	975
GALVEZ-BLDG	HALLS TYPE D8	16	F232	2-32 W FLOURESCENT FIXTURE	16	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	23	3108	3107	ESMTG	0.18	0.11	1179	717
GALVEZ-BLDG	HALLS TYPE D9	16	F232	2-32 W FLOURESCENT FIXTURE	16	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	23	3108	3107	ESMTG	0.18	0.11	1179	717
GALVEZ-BLDG	HALLS TYPE P1	4	2X2L78	2X2 2L T8 FIXTURE	4	302F7250UL	3LT 2FT T8 LED W/2500L DRIVER	3LT 2500 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP	90%	51	20	5779	5779	ESMTG	0.18	0.11	1179	717
GALVEZ-BLDG	KITCHENING TYPE A	3	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	3	304F7400UL	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2025	2025	ESKIT	0.24	0.14	535	316
GALVEZ-BLDG	PRIVATE OFFICE TYPE C12	1	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	1	404F7400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2997	2997	ESPO	0.10	0.06	342	186
GALVEZ-BLDG	PRIVATE OFFICE TYPE C12	2	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	2	404F7400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2997	2997	ESPO	0.10	0.06	342	186
GALVEZ-BLDG	PRIVATE OFFICE TYPE C12	2	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	2	404F7400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2997	2997	ESPO	0.16	0.10	527	348
GALVEZ-BLDG	EMER																	

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hour	Post Hour	Hour Group	Monthly kWh Saved	Monthly kWh Saved	Existing kWh	Annual kWh Saved
GALVEZ-BLDG	HALLS TYPE D8	16	F232	2-32 W FLUORESCENT FIXTURE	16	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5779	5779.4	ESH	1.04	0.85	6658	5466
GALVEZ-BLDG	HALLS TYPE D8	20	F232	2X2 2L T8 FIXTURE	4	30DF12500L	3LT 2FT T8 LED W/2500L DRIVER	3LT 2500 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP	90%	51	20	5779	5779.4	ESH	0.21	0.11	1079	924
GALVEZ-BLDG	KITCHENING TYPE A	3	2X42L T8	2X4 3L T8 FIXTURE ELECTRONIC	3	30DF14800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2025	2025	ESKIT	0.24	0.14	535	316
GALVEZ-BLDG	PRIVATE OFFICE TYPE C 8	11	1X84L T8P8N	1X8 4L T8 PENDANT FIXTURE	11	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2997	2997	ESPO	0.13	0.11	3758	2044
GALVEZ-BLDG	PRIVATE OFFICE TYPE C 12	3	1X84L T8P8N	1X8 4L T8 PENDANT FIXTURE	3	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2997	2997	ESPO	0.31	0.17	1025	557
GALVEZ-BLDG	HALLS TYPE D8	19	F232	2X2 2L T8 FIXTURE	4	30DF12500L	3LT 2FT T8 LED W/2500L DRIVER	3LT 2500 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP	90%	51	19	4983	4982.9	ESR	0.26	0.18	1445	972
GALVEZ-BLDG	EMERGENCY STAIRS TYPE B	4	1X42L T8S	1X4 2L T8 STRIP	4	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	8760	8760	EM	0.23	0.16	2032	1367
GALVEZ-BLDG	OPEN OFFICE TYPE C4	15	1X42L T8S	1X4 2L T8 STRIP	5	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.26	0.18	1445	972
GALVEZ-BLDG	OPEN OFFICE TYPE C8	42	1X84L T8P8N	1X8 4L T8 PENDANT FIXTURE	42	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687.2	ESOO	4.31	2.34	22442	12305
GALVEZ-BLDG	OPEN OFFICE TYPE C12	126	1X126L T8P8N	1X12 6L T8 PENDANT FIXTURE	126	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687.2	ESOO	1.21	0.71	4807	2584
GALVEZ-BLDG	MEETING ROOM TYPE D6, D8 H	8	F232	2-32 W FLUORESCENT FIXTURE	8	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	3108	3107.7	ESMTG	0.52	0.42	1790	1467
GALVEZ-BLDG	MEETING ROOM C4	1	1X42L T8	1X4 3L T8 FIXTURE	1	30DF13600L D	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	3108	3107.7	ESMTG	0.08	0.05	273	180
GALVEZ-BLDG	MEETING ROOM TYPE C12	1	1X84L T8P8N	1X8 4L T8 PENDANT FIXTURE	1	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	3108	3107.7	ESMTG	0.10	0.06	354	193
GALVEZ-BLDG	RESTROOMS TYPE A	5	2X42L T8	2X4 2L T8 FIXTURE	5	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.26	0.18	1445	972
GALVEZ-BLDG	RESTROOMS TYPE F	5	1X42L T8P8N	1X4 2L T8 PENDANT FIXTURE	5	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.26	0.18	1445	972
GALVEZ-BLDG	STORAGE TYPE A OR P	4	2X43L T8LJ	2X4 3L T8 LAY IN	4	30DF13600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	2700	2700	STO	0.32	0.21	950	626
GALVEZ-BLDG	MECHANICAL TYPE F	23	1X42L T8S	1X4 2L T8 STRIP	23	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.26	0.18	1445	972
GALVEZ-BLDG	HALLS TYPE D8	16	F232	2-32 W FLUORESCENT FIXTURE	16	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5779	5779.4	ESH	1.04	0.85	6658	5466
GALVEZ-BLDG	HALLS TYPE P1	4	2X23L T8	2X2 2L T8 FIXTURE	4	30DF12500L	3LT 2FT T8 LED W/2500L DRIVER	3LT 2500 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP	90%	51	20	5779	5779.4	ESH	0.18	0.11	1179	717
GALVEZ-BLDG	KITCHENING TYPE A	3	2X42L T8	2X4 3L T8 FIXTURE ELECTRONIC	3	30DF14800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2025	2025	ESKIT	0.24	0.14	535	316
GALVEZ-BLDG	PRIVATE OFFICE TYPE C 8	11	1X84L T8P8N	1X8 4L T8 PENDANT FIXTURE	11	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2997	2997	ESPO	0.13	0.11	3758	2044
GALVEZ-BLDG	PRIVATE OFFICE TYPE C 12	3	1X84L T8P8N	1X8 4L T8 PENDANT FIXTURE	3	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2997	2997	ESPO	0.31	0.17	1025	557
GALVEZ-BLDG	PRIVATE OFFICE TYPE C 12	3	1X42L T8	1X4 3L T8 FIXTURE	3	30DF13600L D	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	2997	2997	ESPO	0.24	0.16	791	521
GALVEZ-BLDG	EMERGENCY STAIRS TYPE B	4	1X42L T8S	1X4 2L T8 STRIP	4	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.23	0.16	2032	1367
GALVEZ-BLDG	OPEN OFFICE TYPE C4	15	1X42L T8P8N	1X4 2L T8 PENDANT FIXTURE	15	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.26	0.18	1445	972
GALVEZ-BLDG	OPEN OFFICE TYPE C8	42	1X84L T8P8N	1X8 4L T8 PENDANT FIXTURE	42	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687.2	ESOO	4.31	2.34	22442	12305
GALVEZ-BLDG	OPEN OFFICE TYPE C12	126	1X126L T8P8N	1X12 6L T8 PENDANT FIXTURE	126	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687.2	ESOO	1.21	0.71	4807	2584
GALVEZ-BLDG	MEETING ROOM TYPE D6, D8 H	19	F232	2-32 W FLUORESCENT FIXTURE	19	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	3108	3107.7	ESMTG	1.23	1.01	4251	3484
GALVEZ-BLDG	MEETING ROOM C4	1	1X42L T8	1X4 3L T8 FIXTURE	1	30DF13600L D	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	3108	3107.7	ESMTG	0.08	0.05	273	180
GALVEZ-BLDG	MEETING ROOM TYPE C12	3	1X84L T8P8N	1X8 4L T8 PENDANT FIXTURE	3	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	3108	3107.7	ESMTG	0.31	0.17	1025	557
GALVEZ-BLDG	RESTROOMS TYPE A	5	2X42L T8	2X4 2L T8 FIXTURE	5	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.26	0.18	1445	972
GALVEZ-BLDG	RESTROOMS TYPE F	5	1X42L T8P8N	1X4 2L T8 PENDANT FIXTURE	5	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.26	0.18	1445	972
GALVEZ-BLDG	STORAGE TYPE A OR P	6	2X43L T8LJ	2X4 3L T8 LAY IN	6	30DF13600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	2700	2700	STO	0.48	0.31	1426	940
GALVEZ-BLDG	MECHANICAL TYPE F	23	1X42L T8S	1X4 2L T8 STRIP	23	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.26	0.18	1445	972
GALVEZ-BLDG	LIBRARY TYPE A	3	2X42L T8	2X4 3L T8 FIXTURE ELECTRONIC	3	30DF14800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4050	4050	ESLB	0.24	0.14	1069	632
GALVEZ-BLDG	HALLS TYPE A	10	2X42L T8	2X4 2L T8 FIXTURE	10	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	5779	5779.4	ESH	0.52	0.35	3382	2254
GALVEZ-BLDG	HALLS TYPE D8	16	F232	2-32 W FLUORESCENT FIXTURE	16	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5779	5779.4	ESH	1.04	0.85	6658	5466
GALVEZ-BLDG	HALLS TYPE P1	4	2X23L T8	2X2 2L T8 FIXTURE	4	30DF12500L	3LT 2FT T8 LED W/2500L DRIVER	3LT 2500 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP	90%	51	20	5779	5779.4	ESH	0.18	0.11	1179	717
GALVEZ-BLDG	KITCHENING TYPE A	3	2X42L T8	2X4 3L T8 FIXTURE ELECTRONIC	3	30DF14800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2025	2025	ESKIT	0.24	0.14	535	316
GALVEZ-BLDG	PRIVATE OFFICE TYPE C 8	11	1X84L T8P8N	1X8 4L T8 PENDANT FIXTURE	11	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2997	2997	ESPO	0.13	0.11	3758	2044
GALVEZ-BLDG	PRIVATE OFFICE TYPE C 12	3	1X84L T8P8N	1X8 4L T8 PENDANT FIXTURE	3	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2997	2997	ESPO	0.41	0.22	1367	743
GALVEZ-BLDG	PRIVATE OFFICE TYPE C 12	4	1X42L T8	1X4 3L T8 FIXTURE	4	30DF13600L D	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	2997	2997	ESPO	0.32	0.21	1055	695
GALVEZ-BLDG	EMERGENCY STAIRS TYPE B	4	1X42L T8S	1X4 2L T8 STRIP	4	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.23	0.16	2032	1367
GALVEZ-BLDG	RESTROOMS TYPE A	5	2X42L T8	2X4 2L T8 FIXTURE	5	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.26	0.18	1445	972
GALVEZ-BLDG	OPEN OFFICE TYPE C4	19	1X42L T8P8N	1X4 2L T8 PENDANT FIXTURE	19	204F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.26	0.18	1445	972
GALVEZ-BLDG	OPEN OFFICE TYPE C8	36	1X84L T8P8N	1X8 4L T8 PENDANT FIXTURE	36	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687.2	ESOO	3.69	2.01	18236	10462
GALVEZ-BLDG	OPEN OFFICE TYPE C12	86	1X126L T8P8N	1X12 6L T8 PENDANT FIXTURE	172	30DF14800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	171	36	4687	4687.2	ESOO	13.24	7.56	69530	39807
GALVEZ-BLDG	MEETING ROOM TYPE D6, D8 H	16	F232	2-32 W FLUORESCENT FIXTURE	16	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	3108	3107.7	ESMTG	1.04	0.85	3580	2934
GALVEZ-BLDG	MEETING ROOM C4	2	1X42L T8	1X4 3L T8 FIXTURE	2	30DF13600L D	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	3108	3107.7	ESMTG	0.16	0.10	547	360
GALVEZ-BLDG	MEETING ROOM TYPE C12	2	1X84L T8P8N	1X8 4L T8 PENDANT FIXTURE	2	404F16400L INBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	3108	3107.7	ESMTG	0.18	0		

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Proposed System)	Consist Of	Diversity Factor	Pre Post	Post Watts	Pre Post	Post Hour	Hour	Group Code	Monthly kWh Saved	Monthly kWh Saved	Existing kWh	Annual kWh
GALVEZ-BLDG	HALLS TYPE D8	16	F232	2-32 W FLOURESCENT FIXTURE	4	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5779	5779	4	ESH	0.14	0.85	6658	5466
GALVEZ-BLDG	HALLS TYPE F1	4	2X42L78	1X4 2L T8 FIXTURE	4	30DF72500L	3L T 2FT T8 LED W/3200L DRIVER	3LT 2500 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP	90%	51	20	5779	5779	4	ESH	0.18	0.11	1179	717
GALVEZ-BLDG	KITCHEN/DINING TYPE A	3	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	3	30DF74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	89	36	2025	2025	ESKIT	0.24	0.14	535	316	
GALVEZ-BLDG	PRIVATE OFFICE TYPE C 8	5	1X42L78PEN	1X8 4L T8 PENDANT FIXTURE	5	40DF74800LINF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FUTURE	90%	114	52	2997	2997	ESPO	0.51	0.28	1708	929	
GALVEZ-BLDG	PRIVATE OFFICE TYPE C 12	3	1X43L78PEN	1X8 4L T8 PENDANT FIXTURE	3	40DF74800LINF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FUTURE	90%	114	52	2997	2997	ESPO	0.31	0.17	1025	557	
GALVEZ-BLDG	PRIVATE ROOM TYPE C 17	3	1X43L78PEN	1X4 2L T8 FIXTURE	3	30DF73600L	3LT 3FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	89	30	2997	2997	ESPO	0.24	0.16	791	521	
GALVEZ-BLDG	EMERGENCY STAIRS TYPE B	4	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	4	20DF72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EMO	0.23	0.16	2032	1367	
GALVEZ-BLDG	OPEN OFFICE TYPE C4	17	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	17	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESCO	0.82	0.52	4622	2709	
GALVEZ-BLDG	OPEN OFFICE TYPE C8	11	1X42L78PEN	1X8 4L T8 PENDANT FIXTURE	11	40DF74800LINF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FUTURE	90%	114	52	4687	4687	ESCO	1.13	0.61	5878	3173	
GALVEZ-BLDG	OPEN OFFICE TYPE C12	80	1X126L78PEN	1X12 6L T8 PENDANT FIXTURE	160	30DF74900L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	171	36	4687	4687	ESCO	12.31	7.13	64121	37123	
GALVEZ-BLDG	MEETING ROOM TYPE D6, D8 H	8	F232	2-32 W FLOURESCENT FIXTURE	8	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5779	5779	4	ESH	0.62	0.42	1790	1467
GALVEZ-BLDG	MEETING ROOM C4	1	1X43L78	1X4 3L T8 FIXTURE	1	30DF73600L	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	89	30	3108	3107	ESMTG	0.08	0.05	273	180	
GALVEZ-BLDG	MEETING ROOM C2	1	1X43L78	1X4 3L T8 FIXTURE	1	30DF73600L	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	89	30	3108	3107	ESMTG	0.08	0.05	273	180	
GALVEZ-BLDG	MEETING ROOM C1	1	1X43L78	1X4 3L T8 FIXTURE	1	30DF73600L	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	89	30	3108	3107	ESMTG	0.08	0.05	273	180	
GALVEZ-BLDG	RESTROOMS TYPE A	5	2X42L78	2X4 2L T8 FIXTURE	5	20DF72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982	ESRR	0.26	0.18	1445	972	
GALVEZ-BLDG	RESTROOMS TYPE F	5	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	5	20DF72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982	ESRR	0.26	0.18	1445	972	
GALVEZ-BLDG	STORAGE TYPE A OR P	4	2X43L78LJ	2X4 3L T8 LAY IN	4	30DF73600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	2700	2700	STO	0.32	0.21	950	626	
GALVEZ-BLDG	MECHANICAL TYPE F	23	1X42L78S	1X4 2L T8 STRIP	23	20DF72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.20	0.87	5403	3633	
GALVEZ-BLDG	COPY ROOM TYPE A	3	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	3	30DF74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	89	36	3760	3760	COPY	0.24	0.14	998	590	
GALVEZ-BLDG	HALLS TYPE A	17	2X42L78	2X4 2L T8 FIXTURE	17	20DF72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	5779	5779	4	ESH	0.89	0.60	5698	3832
GALVEZ-BLDG	HALLS TYPE D8	14	F232	2-32 W FLOURESCENT FIXTURE	14	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5779	5779	4	ESH	0.91	0.74	5626	4717
GALVEZ-BLDG	HALLS TYPE F1	4	2X42L78	2X4 2L T8 FIXTURE	4	30DF72500L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP	90%	51	20	5779	5779	4	ESH	0.18	0.11	1179	717
GALVEZ-BLDG	HALLS TYPE C2	2	1X42L78PEN	1X8 4L T8 PENDANT FIXTURE	2	40DF74800LINF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FUTURE	90%	114	52	5779	5779	4	ESH	0.21	0.11	1318	717
GALVEZ-BLDG	KITCHEN/DINING TYPE A	3	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	3	30DF74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2025	2025	ESKIT	0.24	0.14	535	316	
GALVEZ-BLDG	PRIVATE OFFICE TYPE C 8	28	1X42L78PEN	1X8 4L T8 PENDANT FIXTURE	28	40DF74800LINF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FUTURE	90%	114	52	2997	2997	ESPO	0.87	0.50	3883	2204	
GALVEZ-BLDG	PRIVATE OFFICE TYPE C 12	9	1X43L78PEN	1X8 4L T8 PENDANT FIXTURE	9	40DF74800LINF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FUTURE	90%	114	52	2997	2997	ESPO	0.92	0.50	3075	1672	
GALVEZ-BLDG	PRIVATE OFFICE TYPE C 12	9	1X43L78	1X4 3L T8 FIXTURE	9	30DF73600L	3LT 4FT T8 LED W/3600L DIM DRIVER	3LT 3600 LUMEN DIMMABLE DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	89	30	2997	2997	ESPO	0.71	0.47	2374	1564	
GALVEZ-BLDG	EMERGENCY STAIRS TYPE B	4	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	4	20DF72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EMO	0.23	0.16	2032	1367	
GALVEZ-BLDG	FILES TYPE A	8	2X42L78	2X4 2L T8 FIXTURE	8	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3780	3780	COPY	0.42	0.24	1754	1028	
GALVEZ-BLDG	OPEN OFFICE TYPE C4	12	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	12	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESCO	0.63	0.37	3262	1912	
GALVEZ-BLDG	OPEN OFFICE TYPE C8	6	1X42L78PEN	1X8 4L T8 PENDANT FIXTURE	6	40DF74800LINF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FUTURE	90%	114	52	4687	4687	ESCO	0.62	0.33	3206	1744	
GALVEZ-BLDG	OPEN OFFICE TYPE C12	30	1X126L78PEN	1X12 6L T8 PENDANT FIXTURE	60	30DF74900L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	171	36	4687	4687	ESCO	4.62	2.67	24045	13921	
GALVEZ-BLDG	MEETING ROOM TYPE D6, D8 H	16	F232	2-32 W FLOURESCENT FIXTURE	16	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5779	5779	4	ESH	1.04	0.85	3680	2934
GALVEZ-BLDG	MEETING ROOM C4	4	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	4	30DF74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3108	3107	ESMTG	0.08	0.05	273	180	
GALVEZ-BLDG	MEETING ROOM C2	2	1X43L78PEN	1X8 4L T8 PENDANT FIXTURE	2	40DF74800LINF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FUTURE	90%	114	52	3108	3107	ESMTG	0.08	0.05	273	180	
GALVEZ-BLDG	MEETING ROOM TYPE C12	1	1X43L78PEN	1X8 4L T8 PENDANT FIXTURE	1	40DF74800LINF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR SFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FUTURE	90%	114	52	3108	3107	ESMTG	0.10	0.06	354	193	
GALVEZ-BLDG	MAIL TYPE A	6	2X43L78LJ	2X4 3L T8 LAY IN	6	30DF74900L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4687	4687	ESCO	0.48	0.28	2475	1462	
GALVEZ-BLDG	RESTROOMS TYPE A	5	2X42L78	2X4 2L T8 FIXTURE	5	20DF72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982	ESRR	0.26	0.18	1445	972	
GALVEZ-BLDG	RESTROOMS TYPE F	5	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	5	20DF72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982	ESRR	0.26	0.18	1445	972	
GALVEZ-BLDG	MEETING ROOM TYPE A	7	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	7	30DF74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3108	3107	ESMTG	0.25	0.33	1914	1131	
GALVEZ-BLDG	STORAGE TYPE A	3	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	3	30DF73600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	2700	2700	STO	0.24	0.16	713	470	
GALVEZ-BLDG	STORAGE TYPE A OR P	3	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	3	30DF73600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	2700	2700	STO	0.24	0.16	713	470	
GALVEZ-BLDG	MECHANICAL TYPE F	23	1X42L78S	1X4 2L T8 STRIP	23	20DF72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.20	0.81	5403	3633	
GALVEZ-BLDG	COPY ROOM TYPE A	6	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	6	30DF74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3760	3760	COPY	0.48	0.28	1996	1179	
GALVEZ-BLDG	LIBRARY	2	2X43L78PARA	2X4 3L T8 PARABOLIC	2	30DF74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4050	4050	MECH	0.48	0.28	1996	1179	
GALVEZ-BLDG	HALL TYPE F	8	2X42L78	2X4 2L T8 FIXTURE	8	20DF72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	5779	5779	4	ESH	0.42	0.28	2682	1603
GALVEZ-BLDG	EMERGENCY STAIRS TYPE B	2	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	2	20DF72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EMO	0.12	0.08	1016	683	
GALVEZ-BLDG	MECHANICAL TYPE F	42	1X42L78S	1X4 2L T8 STRIP	42	20DF72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	2.19	1.47	9866	6534	
GALVEZ-BLDG	SENSOR VARIOUS	12	NOPE	NO EXISTING P. CONTROL	12	PEFIX	ADD PE CONTROL TO EACH FIXTURE IF APPLICABLE	ALR 120 OR 277 VOLT PHOTO CONTROL CONTRACTOR VERIFY	0%	0	0	0	0	S	0.00	0.00	0	0	
GALVEZ-BLDG	SENSOR VARIOUS	2	NOPE	NO EXISTING P. CONTROL	2	PECONTROL	NEW PE CONTROLS FOR EXTERIOR LIGHTS	ALR AT-30 OR TORX 3000 PER SPECIFICATIONS	0%	0	0	0	0	S	0.00	0.00	0	0	
GALVEZ-BLDG	SENSOR VARIOUS	4	DIMMER	EXIST DIMMER ON INCANDESCENT	4	DIMMERLED	NEW LED DIMMER	LUTRON OR LEVITON DIMMER AS SPECIFIED	0%	0	0	0	0	S	0.00	0.00	0	0	
GALVEZ-BLDG	EXTERIOR VARIO																		

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Burn Hours	Post Burn Hours	Hour Group	Monthly Pre kWh	Monthly kWh Saved	Existing kWh	Annual kWh Saved
IBERVILLE-BLDG	HALL TYPE E	8	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	8	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	5779	5779	ESH	0.42	0.28	2682	1803
IBERVILLE-BLDG	HALL TYPE E EM	2	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	2	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	5779	5779	ESH	0.12	0.08	1016	683
IBERVILLE-BLDG	MECH TYPE E	48	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	48	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	2.51	1.68	11275	7582
IBERVILLE-BLDG	MECHANICAL TYPE E	69	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	69	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	3.60	2.42	16208	10989
IBERVILLE-BLDG	MECHANICAL TYPE E EM	21	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	21	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	1.22	0.82	10670	7174
IBERVILLE-BLDG	MECHANICAL TYPE E	21	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	21	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESPO	1.10	0.64	5701	3347
IBERVILLE-BLDG	OPEN OFFICE TYPE E EM	11	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	11	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESPO	0.57	0.34	2990	1753
IBERVILLE-BLDG	PRIVATE OFFICE TYPE E	1	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	1	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2997	2997	ESPO	0.05	0.03	174	102
IBERVILLE-BLDG	RESTROOM TYPE B	2	2X44L78	2X4 4L T8 FIXTURE	2	4D4F47800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	36	4983	4982	ESRR	0.21	0.14	1136	777
IBERVILLE-BLDG	RESTROOM TYPE B EM	2	2X44L78	2X4 4L T8 FIXTURE	2	4D4F47800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	100%	114	36	8760	8760	EM	0.12	0.08	1017	683
IBERVILLE-BLDG	STORAGE TYPE B	15	2X44L78	2X4 4L T8 FIXTURE	15	4D4F47800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	36	1350	1350	ESSTO	1.54	1.05	2309	1580
IBERVILLE-BLDG	STORAGE TYPE B EM	3	2X44L78	2X4 4L T8 FIXTURE	3	4D4F47800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	36	1350	1350	ESSTO	0.31	0.21	462	316
IBERVILLE-BLDG	STORAGE TYPE E EM	2	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	2	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	1350	1350	ESSTO	0.10	0.07	157	105
IBERVILLE-BLDG	VENDING	12	2X42L78	2X4 2L T8 FIXTURE	12	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	5779	5779	ESPO	0.63	0.37	4022	2398
IBERVILLE-BLDG	COMPUTER TRAINING TYPE GD	36	F242	2-42W FLUOR FIXTURE	36	LED20HWRCKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	4687	4687	ESPO	2.72	2.01	14174	10462
IBERVILLE-BLDG	ELEVATOR TYPE E EM	2	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	2	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.12	0.08	1016	683
IBERVILLE-BLDG	EM TYPE W	6	F232	2-32 W FLUORESCENT FIXTURE	6	LED20HWRCKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	100%	72	22	8760	8760	EM	0.43	0.30	3784	2628
IBERVILLE-BLDG	EMERGENCY TYPE A8	4	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSH06800LLN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	100%	100	55	8760	8760	EM	0.40	0.18	3504	1577
IBERVILLE-BLDG	EXTERIOR TYPE A8	1	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	1	2D4FTTSH06800LLN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	100%	100	55	4380	4380	EXT	0.01	0.00	438	197
IBERVILLE-BLDG	EXTERIOR TYPE G, GD & GO	3	F242	2-42W FLUOR FIXTURE	3	LED20HWRCKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	10%	84	22	4380	4380	EXT	0.03	0.02	1104	815
IBERVILLE-BLDG	HALL TYPE A4EM	19	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	19	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	100%	50	27	8760	8760	EM	0.96	0.44	8322	3828
IBERVILLE-BLDG	HALL TYPE D	7	2X44L78	2X4 4L T8 FIXTURE	7	4D4F47800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	36	5779	5779	ESH	0.72	0.49	4612	3156
IBERVILLE-BLDG	HALL TYPE D	11	F242	2-42W FLUOR FIXTURE	11	LED20HWRCKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	84	20	5779	5779	ESH	0.83	0.63	5340	4069
IBERVILLE-BLDG	HALL TYPE G, GD & GO	76	F242	2-42W FLUOR FIXTURE	76	LED20HWRCKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	5779	5779	ESH	5.75	4.24	36895	27232
IBERVILLE-BLDG	MECHANICAL TYPE E	12	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	12	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	0.62	0.42	2919	1806
IBERVILLE-BLDG	MECHANICAL TYPE E	42	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	42	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	2.19	1.47	9866	6834
IBERVILLE-BLDG	MECHANICAL TYPE E EM	16	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	16	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.93	0.62	8129	5466
IBERVILLE-BLDG	MEETING RM TYPE A4EM	5	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	5	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	100%	50	27	8760	8760	EM	0.25	0.12	2190	1007
IBERVILLE-BLDG	MEETING RM TYPE G, GD & GO	36	F242	2-42W FLUOR FIXTURE	36	LED20HWRCKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	3108	3107	ESMTG	2.72	2.01	9398	6936
IBERVILLE-BLDG	OPEN OFFICE TYPE A4	8	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	8	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	4687	4687	ESPO	0.36	0.17	1875	862
IBERVILLE-BLDG	OPEN OFFICE TYPE A8	60	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	60	2D4FTTSH06800LLN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	4687	4687	ESPO	5.40	2.43	28123	12655
IBERVILLE-BLDG	OPEN OFFICE TYPE AH12	42	1X123L7SHOPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	42	3D4FTTSH010000LLN12FT	3LT 4FT TSHO W/10000L /DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	4687	4687	ESPO	5.67	2.61	29529	13584
IBERVILLE-BLDG	PRIVATE OFFICE TYPE A4	14	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	14	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	2997	2997	ESPO	0.63	0.29	2098	965
IBERVILLE-BLDG	PRIVATE OFFICE TYPE A8	11	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	11	2D4FTTSH06800LLN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2997	2997	ESPO	0.99	0.45	3297	1484
IBERVILLE-BLDG	RESTROOM TYPE G, GD & GO	14	F242	2-42W FLUOR FIXTURE	14	LED20HWRCKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	4983	4982	ESRR	1.06	0.78	5860	4325
IBERVILLE-BLDG	STORAGE TYPE B	16	2X44L78	2X4 4L T8 FIXTURE	16	4D4F47800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	36	1350	1350	ESSTO	1.64	1.12	2462	1685
IBERVILLE-BLDG	EM TYPE W	6	F232	2-32 W FLUORESCENT FIXTURE	6	LED20HWRCKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	100%	72	22	8760	8760	EM	0.43	0.30	3784	2628
IBERVILLE-BLDG	EMERGENCY TYPE A8	4	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSH06800LLN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	100%	100	55	8760	8760	EM	0.40	0.18	3504	1577
IBERVILLE-BLDG	FILES TYPE A8	7	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	7	2D4FTTSH06800LLN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	1350	1350	ESSTO	0.63	0.28	945	425
IBERVILLE-BLDG	HALL TYPE D	6	F242	2-42W FLUOR FIXTURE	6	LED20HWRCKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	84	20	5779	5779	ESH	0.45	0.35	2913	2219
IBERVILLE-BLDG	HALL TYPE G, GD & GO	36	F242	2-42W FLUOR FIXTURE	36	LED20HWRCKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	5779	5779	ESH	2.72	2.01	17477	12900
IBERVILLE-BLDG	LOUNGE BREAKROOM TYPE A8	3	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	3	2D4FTTSH06800LLN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	4320	4320	ESLB	0.27	0.12	1296	534
IBERVILLE-BLDG	MECHANICAL TYPE E	6	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	6	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	0.31	0.21	1409	941
IBERVILLE-BLDG	MECHANICAL TYPE E	24	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	24	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.25	0.84	5638	3791
IBERVILLE-BLDG	MECHANICAL TYPE E EM	14	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	14	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.81	0.55	7113	4793
IBERVILLE-BLDG	MEETING ROOM	5	1X123L7SHOPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	5	3D4FTTSH010000LLN12FT	3LT 4FT TSHO W/10000L /DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	3108	3107	ESMTG	0.68	0.31	2331	1072
IBERVILLE-BLDG	MEETING ROOM	5	1X123L7SHOPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	5	3D4FTTSH010000LLN12FT	3LT 4FT TSHO W/10000L /DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	3108	3107	ESMTG	0.68	0.31	2331	1072
IBERVILLE-BLDG	MEETING TYPE G, GD & GO	8	F242	2-42W FLUOR FIXTURE	8	LED20HWRCKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	3108	3107	ESMTG	0.60	0.45	2088	1541
IBERVILLE-BLDG	OPEN OFFICE TYPE A8	2	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	2	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	4687	4687	ESPO	0.09	0.04	469	216
IBERVILLE-BLDG	OPEN OFFICE TYPE A8	56	1X41L7SHOPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	56	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	4687	4687	ESPO	2.52	1.16	13124	6037
IBERVILLE-BLDG	OPEN OFFICE TYPE A8	74	1X82L7SHOPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	74	2D4FTTSH06800LLN8FT	2LT 4FT TSHO W/6800L /DRIVER LINE											

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hours	Post Hours	Hour Group Code	Monthly Pre kWh	Monthly Post kWh	Existing kWh	Annual kWh Saved
IBERVILLE-BLDG	PRIVATE OFFICE TYPE A8	27	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	27	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2997	2997	ESPO	2.43	1.09	8092	3641
IBERVILLE-BLDG	PRIVATE OFFICE TYPE AH12	2	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	2	3D4FTTSH01000LLIN12FT	3LT 4FT TSHO W/10000L /DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	2997	2997	ESPO	0.27	0.12	899	414
IBERVILLE-BLDG	RESTROOM TYPE G, GD & GO	12	F242	2-42W FLUOR FIXTURE	12	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	4983	4982.9	ESRR	0.91	0.67	5023	3707
IBERVILLE-BLDG	TRAINING TYPE A8	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2997	2997	ESPO	2.43	1.09	8092	3641
IBERVILLE-BLDG	ELEVATOR LOBBY REC	3	F232	2-32 W FLUORESCENT FIXTURE	3	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	100%	72	22	8760	8760	EM	0.22	0.15	1892	1314
IBERVILLE-BLDG	ELEVATOR LOBBY SCNCE	2	F442CUSTUM	4-42W FLUOR FIXTURE	2	LED40HWCVSUKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	168	40	8760	8760	EM	0.34	0.28	2943	2243
IBERVILLE-BLDG	MECH TYPE E	6	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	6	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	0.31	0.21	1409	948
IBERVILLE-BLDG	EM TYPE W	6	F232	2-32 W FLUORESCENT FIXTURE	6	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	100%	72	22	8760	8760	EM	0.43	0.30	3784	2628
IBERVILLE-BLDG	EMERGENCY TYPE A8	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	100%	100	55	8760	8760	EM	0.40	0.18	3504	1577
IBERVILLE-BLDG	FILE TYPE A4/EM	3	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	3	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	100%	50	27	8760	8760	EM	0.15	0.07	1314	604
IBERVILLE-BLDG	FILES TYPE A8	10	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	10	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	1350	1350	ESSTO	1.00	0.41	1350	608
IBERVILLE-BLDG	HALL TYPE A4EM	23	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	23	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	100%	50	27	8760	8760	EM	0.15	0.53	10074	4634
IBERVILLE-BLDG	HALL TYPE D	6	F242	2-42W FLUOR FIXTURE	6	LED20HWRECKIT8'	20 WATT LED CONVERSION KIT FOR SUR OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	84	20	5778	5779.4	ESH	0.45	0.35	2913	2219
IBERVILLE-BLDG	HALL TYPE G, GD & GO	28	F242	2-42W FLUOR FIXTURE	28	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	5778	5779.4	ESH	2.12	1.56	13593	10033
IBERVILLE-BLDG	HALL TYPE G, GD & GO	24	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	24	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	5778	5779.4	ESH	1.25	0.84	8045	5409
IBERVILLE-BLDG	MAIL TYPE A4/EM	5	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	5	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	100%	50	27	8760	8760	EM	0.25	0.12	2190	1007
IBERVILLE-BLDG	MECHANICAL TYPE E	23	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	23	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.20	0.81	5403	3633
IBERVILLE-BLDG	MECHANICAL TYPE E EM	16	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	16	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.93	0.62	8129	5466
IBERVILLE-BLDG	MEETING RM TYPE A4EM	4	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	4	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	100%	50	27	8760	8760	EM	0.20	0.09	1752	806
IBERVILLE-BLDG	MEETING RM TYPE A8	12	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	12	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	3108	3107.7	ESMTG	1.08	0.49	3729	1678
IBERVILLE-BLDG	MEETING RM TYPE G, GD & GO	20	F242	2-42W FLUOR FIXTURE	20	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	3108	3107.7	ESMTG	1.51	1.12	5221	3854
IBERVILLE-BLDG	MEETING RM TYPE G, GD & GO	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	3108	3107.7	ESMTG	0.36	0.16	1243	559
IBERVILLE-BLDG	OPEN OFFICE TYPE A8	35	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	35	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	4687	4687.2	ESOO	1.58	0.72	8203	3773
IBERVILLE-BLDG	OPEN OFFICE TYPE A8	69	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	69	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	4687	4687.2	ESOO	6.21	2.79	32342	14554
IBERVILLE-BLDG	OPEN OFFICE TYPE AH12	31	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	31	3D4FTTSH01000LLIN12FT	3LT 4FT TSHO W/10000L /DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	4687	4687.2	ESOO	1.19	1.93	21795	10026
IBERVILLE-BLDG	PRIVATE OFFICE TYPE A4	42	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	42	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	2997	2997	ESPO	4.89	0.87	6294	2895
IBERVILLE-BLDG	PRIVATE OFFICE TYPE A8	22	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	22	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2997	2997	ESPO	1.98	0.89	6593	2967
IBERVILLE-BLDG	RESTROOM TYPE G, GD & GO	12	F242	2-42W FLUOR FIXTURE	12	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	4983	4982.9	ESRR	0.91	0.67	5023	3707
IBERVILLE-BLDG	ELEVATOR LOBBY REC	3	F232	2-32 W FLUORESCENT FIXTURE	3	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	100%	72	22	8760	8760	EM	0.22	0.15	1892	1314
IBERVILLE-BLDG	ELEVATOR LOBBY SCNCE	2	F442CUSTUM	4-42W FLUOR FIXTURE	2	LED40HWCVSUKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	168	40	8760	8760	EM	0.34	0.28	2943	2243
IBERVILLE-BLDG	MECH TYPE E	6	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	6	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	0.31	0.21	1409	948
IBERVILLE-BLDG	EM TYPE W	6	F232	2-32 W FLUORESCENT FIXTURE	6	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	100%	72	22	8760	8760	EM	0.43	0.30	3784	2628
IBERVILLE-BLDG	COPY RM TYPE A8	2	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	2	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	3780	3780	ESCOPY	0.18	0.08	756	340
IBERVILLE-BLDG	EMERGENCY TYPE A8	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	100%	100	55	8760	8760	EM	0.40	0.18	3504	1577
IBERVILLE-BLDG	FILES TYPE A8	17	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	17	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	1350	1350	ESSTO	1.53	0.68	2295	1033
IBERVILLE-BLDG	HALL TYPE A4EM	24	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	24	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	100%	50	27	8760	8760	EM	1.20	0.55	10512	4836
IBERVILLE-BLDG	HALL TYPE A8	1	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	1	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	5778	5779.4	ESH	0.09	0.04	578	260
IBERVILLE-BLDG	HALL TYPE D	6	F242	2-42W FLUOR FIXTURE	6	LED20HWRECKIT8'	20 WATT LED CONVERSION KIT FOR SUR OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	84	20	5778	5779.4	ESH	0.45	0.35	2913	2219
IBERVILLE-BLDG	HALL TYPE G, GD & GO	35	F242	2-42W FLUOR FIXTURE	35	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	5778	5779.4	ESH	2.65	1.95	16991	12541
IBERVILLE-BLDG	HALL TYPE G, GD & GO	24	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	24	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	5778	5779.4	ESH	1.25	0.84	8045	5409
IBERVILLE-BLDG	MECHANICAL TYPE E EM	15	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	15	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.87	0.59	7621	5125
IBERVILLE-BLDG	MEETING RM TYPE A4EM	4	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	4	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	100%	50	27	8760	8760	EM	0.20	0.09	1752	806
IBERVILLE-BLDG	MEETING RM TYPE A8	12	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	12	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	3108	3107.7	ESMTG	1.08	0.49	3729	1678
IBERVILLE-BLDG	MEETING RM TYPE G, GD & GO	20	F242	2-42W FLUOR FIXTURE	20	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	3108	3107.7	ESMTG	1.51	1.12	5221	3854
IBERVILLE-BLDG	MEETING RM TYPE G, GD & GO	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	3108	3107.7	ESMTG	0.36	0.16	1243	559
IBERVILLE-BLDG	OPEN OFFICE TYPE A8	24	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	24	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	4687	4687.2	ESOO	1.08	0.50	5625	2587
IBERVILLE-BLDG	OPEN OFFICE TYPE AH12	30	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	30	3D4FTTSH01000LLIN12FT	3LT 4FT TSHO W/10000L /DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	4687	4687.2	ESOO	4.05	1.86	21042	9703
IBERVILLE-BLDG	PRIVATE OFFICE TYPE A4	39	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	39	1D4FTTSH03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	2997	2997	ESPO	1.76	0.81	5844	2688
IBERVILLE-BLDG	PRIVATE OFFICE TYPE A8	32	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	32	2D4FTTSH06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2997	2997	ESPO	2.88	1.30	9590	4316
IBERVILLE-BLDG	RESTROOM TYPE G, GD & GO	12	F242	2-42W FLUOR FIXTURE	12	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT</											

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Burn Hours	Post Burn Hours	Pre Burn Hours	Post Burn Hours	Hour Group Code	Monthly Pre kWh	Monthly Post kWh	Existing kWh	Annual kWh Saved
IBERVILLE-BLDG	TRAINING TYPE A8	7	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	7	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	4687	4687.2	ESOO	0.63	0.28	3281	1476
IBERVILLE-BLDG	ELEVATOR LOBBY REC	3	F232	2-32 W FLUORESCENT FIXTURE	3	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	100%	72	22	8760	8760	EM	0.22	0.15	1892	1314
IBERVILLE-BLDG	ELEVATOR LOBBY SCNCE	2	F442CUSTUM	4-42W FLUOR FIXTURE	2	LED40HWCLUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	168	40	8760	8760	EM	0.34	0.26	2943	2243
IBERVILLE-BLDG	MECH TYPE E	6	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	6	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	0.31	0.21	1409	948
IBERVILLE-BLDG	EM TYPE W	6	F232	2-32 W FLUORESCENT FIXTURE	6	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	100%	72	22	8760	8760	EM	0.43	0.30	3784	2829
IBERVILLE-BLDG	COPY RM TYPE A8	2	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	2	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	3790	3790	ESCOPI	0.18	0.08	756	340
IBERVILLE-BLDG	EMERGENCY TYPE A8	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	100%	100	55	8760	8760	EM	0.40	0.18	3504	1577
IBERVILLE-BLDG	FILES TYPE A8	6	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	6	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	4687	4687.2	ESOO	0.54	0.24	2812	1266
IBERVILLE-BLDG	FILES TYPE AH12	2	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	2	3D4FTT5H010000LLIN12FT	3LT 4FT TSHO W/10000L /DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	1350	1350	ESSTO	0.27	0.12	405	186
IBERVILLE-BLDG	HALL TYPE A4EM	19	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	19	1D4FTT5H03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	100%	50	27	8760	8760	EM	0.92	0.44	8322	3828
IBERVILLE-BLDG	HALL TYPE D	6	F242	2-42W FLUOR FIXTURE	6	LED20HWRSURKIT	20 WATT LED CONVERSION KIT FOR SUR OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	84	20	5778	5779.4	ESH	0.45	0.35	2913	2219
IBERVILLE-BLDG	HALL TYPE G, GD & GO	35	F242	2-42W FLUOR FIXTURE	35	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	5778	5779.4	ESH	2.65	1.96	16991	12541
IBERVILLE-BLDG	HALL TYPE G, GD & GO	24	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	24	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	5778	5779.4	ESH	1.25	0.84	8045	5409
IBERVILLE-BLDG	MECHANICAL TYPE AH12	1	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	1	3D4FTT5H010000LLIN12FT	3LT 4FT TSHO W/10000L /DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	4050	4050	MECH	0.14	0.06	608	279
IBERVILLE-BLDG	MECHANICAL TYPE E	23	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	23	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.20	0.81	5403	3633
IBERVILLE-BLDG	MECHANICAL TYPE EM	14	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	14	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.81	0.55	7113	4783
IBERVILLE-BLDG	MEETING RM TYPE A4EM	4	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	4	1D4FTT5H03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	100%	50	27	8760	8760	EM	0.20	0.09	1752	806
IBERVILLE-BLDG	MEETING RM TYPE A4E	12	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	12	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	3108	3107.7	ESMTG	1.08	0.49	3729	1678
IBERVILLE-BLDG	MEETING RM TYPE G, GD & GO	20	F242	2-42W FLUOR FIXTURE	20	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	3108	3107.7	ESMTG	1.51	1.12	5221	3854
IBERVILLE-BLDG	MEETING RM TYPE G, GD & GO	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	100%	100	55	3108	3107.7	ESMTG	0.36	0.16	1243	559
IBERVILLE-BLDG	OPEN OFFICE TYPE A11	32	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	32	1D4FTT5H03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	4687	4687.2	ESOO	1.44	0.66	7500	3450
IBERVILLE-BLDG	OPEN OFFICE TYPE A8	86	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	86	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	4687	4687.2	ESOO	7.74	3.48	40310	18139
IBERVILLE-BLDG	OPEN OFFICE TYPE AH12	33	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	33	3D4FTT5H010000LLIN12FT	3LT 4FT TSHO W/10000L /DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	4687	4687.2	ESOO	4.46	2.05	23202	10673
IBERVILLE-BLDG	PRIVATE OFFICE TYPE A4	51	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	51	1D4FTT5H03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	2997	2997	ESPO	2.30	1.06	7642	3515
IBERVILLE-BLDG	PRIVATE OFFICE TYPE A8	10	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	10	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2997	2997	ESPO	0.90	0.41	2997	1349
IBERVILLE-BLDG	RESTROOM TYPE G, GD & GO	12	F242	2-42W FLUOR FIXTURE	12	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	4983	4983.9	ESRR	0.91	0.67	5023	3707
IBERVILLE-BLDG	ELEVATOR LOBBY REC	3	F232	2-32 W FLUORESCENT FIXTURE	3	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	100%	72	22	8760	8760	EM	0.22	0.15	1892	1314
IBERVILLE-BLDG	ELEVATOR LOBBY SCNCE	2	F442CUSTUM	4-42W FLUOR FIXTURE	2	LED40HWCLUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	168	40	8760	8760	EM	0.34	0.26	2943	2243
IBERVILLE-BLDG	MECH TYPE E	6	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	6	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	0.31	0.21	1409	948
IBERVILLE-BLDG	EM TYPE W	6	F232	2-32 W FLUORESCENT FIXTURE	6	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	100%	72	22	8760	8760	EM	0.43	0.30	3784	2829
IBERVILLE-BLDG	COPY RM TYPE A8	2	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	2	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	3790	3790	ESCOPI	0.18	0.08	756	340
IBERVILLE-BLDG	EMERGENCY TYPE A8	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	100%	100	55	8760	8760	EM	0.40	0.18	3504	1577
IBERVILLE-BLDG	FILES TYPE A8	9	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	9	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	5778	5779.4	ESH	0.81	0.36	5201	2341
IBERVILLE-BLDG	HALL TYPE A4EM	15	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	15	1D4FTT5H03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	100%	50	27	8760	8760	EM	0.75	0.35	6570	3022
IBERVILLE-BLDG	HALL TYPE G, GD & GO	26	F242	2-42W FLUOR FIXTURE	26	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	84	20	5778	5779.4	ESH	2.72	2.01	18477	12900
IBERVILLE-BLDG	HALL TYPE G, GD & GO	24	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	24	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	5778	5779.4	ESH	1.26	0.84	8045	5409
IBERVILLE-BLDG	MECHANICAL TYPE E	23	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	23	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.20	0.81	5403	3633
IBERVILLE-BLDG	MECHANICAL TYPE EM	17	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	17	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.99	0.66	8637	5808
IBERVILLE-BLDG	MEETING RM TYPE A8	12	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	12	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	3108	3107.7	ESMTG	1.08	0.49	3729	1678
IBERVILLE-BLDG	MEETING RM TYPE G, GD & GO	20	F242	2-42W FLUOR FIXTURE	20	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	3108	3107.7	ESMTG	1.51	1.12	5221	3854
IBERVILLE-BLDG	MEETING RM TYPE G, GD & GO	4	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	4	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	100%	100	55	3108	3107.7	ESMTG	0.36	0.16	1243	559
IBERVILLE-BLDG	OPEN OFFICE TYPE A12	42	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	42	1D4FTT5H03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	4687	4687.2	ESOO	1.89	0.87	9843	4528
IBERVILLE-BLDG	OPEN OFFICE TYPE A8	68	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	68	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	4687	4687.2	ESOO	6.12	2.75	31873	14343
IBERVILLE-BLDG	OPEN OFFICE TYPE AH12	24	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	24	3D4FTT5H010000LLIN12FT	3LT 4FT TSHO W/10000L /DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	4687	4687.2	ESOO	3.24	1.49	16874	7762
IBERVILLE-BLDG	PRIVATE OFFICE TYPE A4	37	1X41LTSHPEN	EXISTING 4FT 1 LAMP TSHO PEN FIXTURE	37	1D4FTT5H03400L	1LT 4FT TSHO W/3400L DRIVER	1LT 2400 LUMEN DRIVER UNV AND 1-4FT TYPE C LED TSHO LAMP	90%	50	27	2997	2997	ESPO	1.67	0.77	5544	2550
IBERVILLE-BLDG	PRIVATE OFFICE TYPE A8	28	1X82LTSHPEN	EXISTING 8FT 2 LAMP TSHO PEN FIXTURE	28	2D4FTT5H06800LLIN8FT	2LT 4FT TSHO W/6800L /DRIVER LINEAR 8FT	2LT 6800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TSHO LAMP TANDEM 8' FIXTURE	90%	100	55	2997	2997	ESPO	2.12	1.13	8392	3776
IBERVILLE-BLDG	PRIVATE OFFICE TYPE AH12	1	1X123LTSHPEN	EXISTING 12FT 3 LAMP TSHO PEN FIXTURE	1	3D4FTT5H010000LLIN12FT	3LT 4FT TSHO W/10000L /DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	150	81	2997	2997	ESPO	0.54	0.06	450	207
IBERVILLE-BLDG	RESTROOM TYPE G, GD & GO	12	F242	2-42W FLUOR FIXTURE	12	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	4983	4983.9	ESRR	0.91	0.67	5023	3707
IBERVILLE-BLDG	ELEVATOR LOBBY REC	3	F232	2-32 W FLUORESCENT FIXTURE	3	LED20HWRECKIT8'	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	100%	72	22	8760	8760	EM	0.22	0.15	1892	1314
IBERVILLE-BLDG																		

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hours	Post Hours	Hour Code	Monthly Pre kWh	Monthly Post kWh	Existing kWh	Annual kWh Saved
IBERVILLE-BLDG	VARIOUS ITEMS	6	NOLENS	NO EXISTING LENS OR EXIST STING IS BROKEN	6	NEWWRAPLENS	NEW WRAP LENS CUSTOM	ALP CUSTOM WRAP AROUND LENS PER SAMPLE	0%	0	0	0	0	NO	0.00	0.00	0	0
LASALLE-BLDG	STORAGE TYPE A2	6	2X43L78U1	2X2 2L T8 FIXTURE	6	2D2F7K12800L	2LT 2FT T8 LED 2800L W/ISOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	51	23	2700	2700	ESTO	0.28	0.15	826	454
LASALLE-BLDG	HALL TYPE UB	6	1X42L78W1	1X4 2L T8 WALL MOUNT	6	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	24	5778	5778	ESH	0.31	0.18	2111	1179
LASALLE-BLDG	OPEN OFFICE TYPE A/B1	10	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	10	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	24	4687	4687	ESCO	0.52	0.31	2719	1594
LASALLE-BLDG	MEETING ROOM TYPE C/D1	6	2X43L78	2X2 2L T8 FIXTURE	6	2D2F7K12800L	2LT 2FT T8 LED 2800L W/ISOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	51	23	2700	2700	ESTO	0.28	0.15	826	454
LASALLE-BLDG	COPY RM TYPE K3 / A1	4	2X43L78U1	2X4 3L T8 LAY IN	4	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	88	36	3780	3780	COPO	0.32	0.19	1331	766
LASALLE-BLDG	EMERGENCY TYPE C/D1 D8	3	F226	2-26W FLUOR FIXTURE	3	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	100%	52	13	8760	8760	EXT	0.16	0.12	1367	1205
LASALLE-BLDG	EXTERIOR TYPE B2/F1	11	1X84L78	1X8 4L T8 FIXTURE	11	4D4F7400L	4LT 4FT T8 LED W/4800L DRIVER LINEAR 8FT	4LT 8400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4380	4380	EXT	0.13	0.07	5493	2987
LASALLE-BLDG	MECH TYPE C/D1 D8	29	F226	2-26W FLUOR FIXTURE	29	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4050	4050	MECH	1.36	1.02	6107	4581
LASALLE-BLDG	HALL TYPE K/K2 A	9	2X42L11	2X4 2L T12 LAY IN	9	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	70	24	5778	5778	ESH	0.37	0.37	3641	2393
LASALLE-BLDG	HALL TYPE C/D1 D8	64	F226	2-26W FLUOR FIXTURE	64	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	5778	5778	ESH	3.00	2.25	19234	14425
LASALLE-BLDG	HALL TYPE B/B1/B3	2	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	2	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	24	5778	5778	ESH	0.10	0.06	670	393
LASALLE-BLDG	HALL TYPE B2/F1	3	1X84L78	1X8 4L T8 FIXTURE	3	4D4F7400L	4LT 4FT T8 LED W/4800L DRIVER LINEAR 8FT	4LT 8400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	5778	5778	ESH	0.31	0.17	1977	1075
LASALLE-BLDG	MAIL RM TYPE K3 / A1	7	2X43L78U1	2X4 3L T8 LAY IN	7	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	88	36	2700	2700	STO	0.53	0.33	1663	983
LASALLE-BLDG	MAIL RM TYPE H / P	28	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	28	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	88	36	2700	2700	STO	2.22	1.31	6653	3931
LASALLE-BLDG	MECH TYPE C/D1 D8	29	F226	2-26W FLUOR FIXTURE	29	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4050	4050	MECH	1.31	0.77	5873	3443
LASALLE-BLDG	MECHANICAL TYPE B/B1/B3	25	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	25	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	24	4050	4050	MECH	1.31	0.77	5873	3443
LASALLE-BLDG	MEETING RM TYPE H / P	16	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	16	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	88	36	3108	3107	ESMTG	1.27	0.75	3746	2586
LASALLE-BLDG	OPEN OFFICE TYPE A/C12	10	1X126L78PEN	1X12 6L T8 PENDANT FIXTURE	20	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	171	36	4687	4687	ESMTG	1.54	0.89	8015	4640
LASALLE-BLDG	OPEN OFFICE TYPE A/B/T / C8-	5	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	5	4D4F7400L	4LT 4FT T8 LED W/4800L DRIVER LINEAR 8FT	4LT 8400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687	ESCO	0.51	0.26	2972	1453
LASALLE-BLDG	OPEN OFFICE TYPE A/B/T / C8-	5	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	1	4D4F7400L	4LT 4FT T8 LED W/4800L DRIVER LINEAR 8FT	4LT 8400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	100%	114	52	8760	8760	EM	0.11	0.06	999	543
LASALLE-BLDG	PRINT/ COPY RM TYPE H / P	18	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	18	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	88	36	3780	3780	COPO	1.43	0.86	5988	3538
LASALLE-BLDG	PRIVATE OFFICE TYPE K3 / A1	1	2X43L78U1	2X4 3L T8 LAY IN	1	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	88	36	2997	2997	ESMTG	0.64	0.38	3429	1756
LASALLE-BLDG	PRIVATE OFFICE TYPE H / P	55	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	55	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	88	36	2997	2997	ESMTG	4.36	2.57	14505	8571
LASALLE-BLDG	RESTROOM TYPE C/D1 D8	8	F226	2-26W FLUOR FIXTURE	8	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4983	4982	ESRR	0.37	0.28	2073	1555
LASALLE-BLDG	RESTROOM TYPE F/B/B1/B3	20	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	20	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	24	4983	4982	ESRR	1.04	0.67	5780	3388
LASALLE-BLDG	RESTROOM TYPE F/B/B1/B3	19	F226	2-26W FLUOR FIXTURE	19	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4983	4982	ESRR	0.89	0.67	4983	3388
LASALLE-BLDG	STORAGE TYPE F/B/B1/B3	16	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	16	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	24	2700	2700	STO	0.84	0.48	2506	1469
LASALLE-BLDG	STORAGE TYPE H / P	18	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	18	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	88	36	2700	2700	STO	1.43	0.84	4277	2527
LASALLE-BLDG	STORAGE TYPE B/B1/B3	6	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	6	2D2F7K12800L	2LT 2FT T8 LED 2800L W/ISOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	51	23	2700	2700	STO	0.28	0.15	826	454
LASALLE-BLDG	HALL TYPE LB	6	1X42L78U1	1X4 2L T8 WALL MOUNT	6	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	24	5778	5778	ESH	0.31	0.18	2111	1179
LASALLE-BLDG	MEETING RM TYPE HD/P1	6	2X43L78U1	2X2 2L T8 FIXTURE	6	2D2F7K12800L	2LT 2FT T8 LED 2800L W/ISOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	51	23	3108	3107	ESMTG	0.28	0.15	951	522
LASALLE-BLDG	KITCHEN TYPE C/D1 D8	54	F226	2-26W FLUOR FIXTURE	54	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	2025	2025	ESKIT	2.53	1.90	5686	4265
LASALLE-BLDG	KITCHEN TYPE H / P	12	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	12	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	88	36	3225	3225	ESMTG	1.03	0.60	2158	1298
LASALLE-BLDG	TRACK CAFFE TYPE TRACK	24	INC50H	HALOGEN TRACK	24	LED12WP8K	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE	90%	50	12	2025	2025	ESKIT	1.08	0.82	3400	1847
LASALLE-BLDG	STORAGE TYPE A2	6	2X43L78U1	2X2 2L T8 FIXTURE	6	2D2F7K12800L	2LT 2FT T8 LED 2800L W/ISOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	51	23	2700	2700	STO	0.28	0.15	826	454
LASALLE-BLDG	HALL TYPE UB	6	1X42L78W1	1X4 2L T8 WALL MOUNT	6	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	24	5778	5778	ESH	0.31	0.18	2111	1179
LASALLE-BLDG	PRIVATE OFFICE TYPE B1	10	1X84L78	1X8 4L T8 FIXTURE	10	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	24	4687	4687	ESMTG	0.73	0.41	5343	4218
LASALLE-BLDG	MEETING RM TYPE HD/P1	6	2X43L78U1	2X2 2L T8 FIXTURE	6	2D2F7K12800L	2LT 2FT T8 LED 2800L W/ISOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	51	23	3108	3107	ESMTG	0.28	0.15	951	522
LASALLE-BLDG	COMPUTER RM TYPE H / P	6	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	6	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	88	36	2700	2700	STO	0.48	0.28	1426	842
LASALLE-BLDG	FILE RM TYPE H / P	19	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	19	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	88	36	2700	2700	STO	1.50	0.89	4514	2688
LASALLE-BLDG	FILE RM TYPE H / P	12	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	12	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	70	24	5778	5778	ESH	0.41	0.26	2158	1298
LASALLE-BLDG	HALL TYPE C/D1 D8	98	F226	2-26W FLUOR FIXTURE	98	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	5778	5778	ESH	4.59	3.44	29452	22089
LASALLE-BLDG	HALL TYPE H / P	18	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	18	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	88	36	5778	5778	ESH	1.43	0.84	9154	5400
LASALLE-BLDG	MECH TYPE C/D1 D8	11	F226	2-26W FLUOR FIXTURE	11	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4050	4050	MECH	0.91	0.39	2317	1737
LASALLE-BLDG	MECHANICAL TYPE B/B1/B3	14	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	14	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	24	4050	4050	MECH	0.73	0.43	3099	1928
LASALLE-BLDG	MEETING RM TYPE C/D1 D8	22	F226	2-26W FLUOR FIXTURE	22	LED15HWRECKIT8*	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	3108	3107	ESMTG	1.03	0.77	3555	2666
LASALLE-BLDG	MEETING RM TYPE H / P	12	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	12	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	88	36	3108	3107	ESMTG	0.56	0.32	1939	1332
LASALLE-BLDG	OPEN OFFICE TYPE K/K2 A	1	2X42L11	2X4 2L T12 LAY IN	1	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	70	24	4687	4687	ESCO	0.06	0.04	329	216
LASALLE-BLDG	OPEN OFFICE TYPE A/C12	10	1X126L78PEN	1X12 6L T8 PENDANT FIXTURE	146	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	171	36	4687	4687	ESMTG	11.23	6.50	5819	3874
LASALLE-BLDG	OPEN OFFICE TYPE A/C4	9	1X42L78PEN	1X12 6L T8 PENDANT FIXTURE ELECTRONIC	9	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	24	4687	4687	ESCO	0.47	0.28	2447	1434
LASALLE-BLDG	OPEN OFFICE TYPE A/B/T / C8-	27	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE														

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hour	Post Hour	Hour Group	Monthly kWh Saved	Monthly kWh Saved	Existing kWh	Annual kWh Saved
LASALLE-BLDG	OPEN OFFICE TYPE A/ C4	12	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	12	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687	ESOC	0.63	0.37	3262	1912
LASALLE-BLDG	OPEN OFFICE TYPE A-8F7/ C8	51	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	51	4D4F76400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	100%	114	52	4687	4687	ESOC	2.53	2.85	27251	14621
LASALLE-BLDG	OPEN OFFICE TYPE A-8F7/ C8-EM	15	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	15	4D4F76400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	100%	114	52	4687	4687	ESOC	1.71	0.33	14880	8147
LASALLE-BLDG	PRIVATE OFFICE TYPE H / P	15	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	15	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2997	2997	ESPO	1.19	0.70	3556	2338
LASALLE-BLDG	RESTROOM TYPE C/CI D/ B	12	F226	2-26W FLUOR FIXTURE	12	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4983	4982.9	ESR	0.56	0.42	3109	2332
LASALLE-BLDG	RESTROOM TYPE F/ B/BI/B3	11	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	11	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4983	4982.9	ESR	0.57	0.34	3179	1864
LASALLE-BLDG	STORAGE TYPE F/ B/BI/B3	11	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	11	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4983	4982.9	ESR	0.57	0.34	3179	1864
LASALLE-BLDG	STORAGE TYPE H/ P	14	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	14	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	1.11	0.58	3326	1686
LASALLE-BLDG	STORAGE TYPE A2	6	2X2L78LJ	2X2 2L T8 FIXTURE	6	2D2F7KIT2800L	2LT 2FT T8 LED 2800L W/3200L KIT U6 TO Z'	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	51	23	2700	2700	STO	0.28	0.15	826	454
LASALLE-BLDG	HALL TYPE UB	6	1X42L78WM	1X4 2L T8 WALL MOUNT	6	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	5779	5779.4	ESH	0.31	0.18	2011	1179
LASALLE-BLDG	OPEN OFFICE TYPE B1	10	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	10	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687.2	ESOC	0.52	0.31	2719	1594
LASALLE-BLDG	MEETING RM TYPE HD/ P1	6	2X2L3L78LJ	2X2 2L T8 FIXTURE	6	2D2F7KIT2800L	2LT 2FT T8 LED 2800L W/3200L KIT U6 TO Z'	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	51	23	3108	3107.7	ESMTG	0.28	0.15	951	522
LASALLE-BLDG	COPY RM TYPE H/ P	2	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	2	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3780	3780	ESPO	1.43	0.84	5988	3538
LASALLE-BLDG	EXTERIOR C/CI D/ B	1	F226	2-26W FLUOR FIXTURE	1	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	10%	52	13	4380	4380	EXT	0.01	0.00	228	171
LASALLE-BLDG	HALL TYPE KK2 A	5	2X4L2L1	2X4 2L T12 LAY IN	5	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	5779	5779.4	ESH	0.32	0.21	2023	1329
LASALLE-BLDG	HALL TYPE KK2 A	11	2X4L2L1	2X4 2L T12 LAY IN	11	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	5779	5779.4	ESH	0.69	0.46	4450	2924
LASALLE-BLDG	HALL TYPE C/CI D/ B	11	F226	2-26W FLUOR FIXTURE	11	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4983	4982.9	ESR	0.51	0.39	3306	2479
LASALLE-BLDG	MEETING RM TYPE HD/ B	10	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	10	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	3.08	1.83	9266	5476
LASALLE-BLDG	LOUNGE/BREAKRM TYPE H/ P	5	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	5	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4320	4320	ESLB	0.40	0.23	1901	1123
LASALLE-BLDG	MECH TYPE C/CI D/ B	10	F226	2-26W FLUOR FIXTURE	10	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4983	4982.9	ESR	0.47	0.35	2106	1580
LASALLE-BLDG	MECHANICAL TYPEF/BI/B3	14	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	14	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4983	4982.9	ESR	0.73	0.43	3289	1928
LASALLE-BLDG	MEETING RM TYPE HD/ B	10	F226	2-26W FLUOR FIXTURE	10	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	3108	3107.7	ESMTG	0.32	0.19	1094	646
LASALLE-BLDG	MEETING RM TYPE H/ P	4	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	4	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4687	4687.2	ESOC	1.31	0.57	5370	31090
LASALLE-BLDG	OPEN OFFICE TYPE A/ C4	67	1X126L78PEN	1X12 6L T8 PENDANT FIXTURE ELECTRONIC	134	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	171	36	4687	4687.2	ESOC	0.84	0.49	4350	2550
LASALLE-BLDG	OPEN OFFICE TYPE A/ C4	30	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	30	4D4F76400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	100%	114	52	4687	4687.2	ESOC	3.08	1.67	16030	8718
LASALLE-BLDG	OPEN OFFICE TYPE A-8F7/ C8-EM	28	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	28	4D4F76400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	100%	114	52	4687	4687.2	ESOC	1.19	0.74	27862	15207
LASALLE-BLDG	PRIVATE OFFICE TYPE H / P	133	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	133	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2997	2997	ESPO	6.22	3.077	20727	12727
LASALLE-BLDG	RESTROOM TYPE C/CI D/ B	12	F226	2-26W FLUOR FIXTURE	12	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4983	4982.9	ESR	0.56	0.42	3109	2332
LASALLE-BLDG	RESTROOM TYPE F/ B/BI/B3	11	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	11	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4983	4982.9	ESR	0.57	0.34	3179	1864
LASALLE-BLDG	STORAGE TYPE F/ B/BI/B3	11	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	11	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4983	4982.9	ESR	0.57	0.34	3179	1864
LASALLE-BLDG	STORAGE TYPE H/ P	12	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	12	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	0.95	0.56	2851	1686
LASALLE-BLDG	TRAINING RM TYPE H / P	12	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	12	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4687	4687.2	ESOC	0.56	0.56	4950	2925
LASALLE-BLDG	STORAGE TYPE A2	6	2X2L78LJ	2X2 2L T8 FIXTURE	6	2D2F7KIT2800L	2LT 2FT T8 LED 2800L W/3200L KIT U6 TO Z'	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	51	23	2700	2700	STO	0.28	0.15	826	454
LASALLE-BLDG	HALL TYPE UB	6	1X42L78WM	1X4 2L T8 WALL MOUNT	6	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	5779	5779.4	ESH	0.31	0.18	2011	1179
LASALLE-BLDG	OPEN OFFICE TYPE B1	10	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	10	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687.2	ESOC	0.52	0.31	2719	1594
LASALLE-BLDG	MEETING RM TYPE HD/ P1	6	2X2L3L78LJ	2X2 2L T8 FIXTURE	6	2D2F7KIT2800L	2LT 2FT T8 LED 2800L W/3200L KIT U6 TO Z'	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	51	23	3108	3107.7	ESMTG	0.28	0.15	951	522
LASALLE-BLDG	COPY RM TYPE H/ P	2	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	2	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4687	4687.2	ESOC	1.43	0.84	5988	3538
LASALLE-BLDG	EXTERIOR C/CI D/ B	1	F226	2-26W FLUOR FIXTURE	1	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	10%	52	13	4380	4380	EXT	0.01	0.00	228	171
LASALLE-BLDG	FILE RM TYPE H/ P	85	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	85	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	6.73	3.98	20196	11934
LASALLE-BLDG	HALL TYPE KK2 A	5	2X4L2L1	2X4 2L T12 LAY IN	5	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	5779	5779.4	ESH	0.32	0.21	2023	1329
LASALLE-BLDG	HALL TYPE KK2 A	10	2X4L2L1	2X4 2L T12 LAY IN	10	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	5779	5779.4	ESH	0.63	0.41	4046	2659
LASALLE-BLDG	HALL TYPE C/CI D/ B	11	F226	2-26W FLUOR FIXTURE	11	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4983	4982.9	ESR	0.51	0.39	3306	2479
LASALLE-BLDG	HALL TYPE H/ P	15	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	15	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	5779	5779.4	ESH	1.19	0.70	7629	4508
LASALLE-BLDG	LOUNGE/BREAKRM TYPE H/ P	5	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	5	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4320	4320	ESLB	0.40	0.23	1901	1123
LASALLE-BLDG	MECH TYPE C/CI D/ B	10	F226	2-26W FLUOR FIXTURE	10	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4983	4982.9	ESR	0.47	0.35	2106	1580
LASALLE-BLDG	MECHANICAL TYPEF/BI/B3	14	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	14	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4983	4982.9	ESR	0.73	0.43	3289	1928
LASALLE-BLDG	MEETING RM TYPE C/CI D/ B	6	F226	2-26W FLUOR FIXTURE	6	LED15HWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	3108	3107.7	ESMTG	0.28	0.21	1094	727
LASALLE-BLDG	MEETING RM TYPE H/ P	4	2X4L78	2X4 3L T8 FIXTURE ELECTRONIC	4	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4687	4687.2	ESOC	1.31	0.57	1094	646
LASALLE-BLDG	OPEN OFFICE TYPE A/ C2	72	1X126L78PEN	1X12 6L T8 PENDANT FIXTURE ELECTRONIC	144	3D4F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	171	36	4687	4687.2	ESOC	1.08	0.62	5710	3340
LASALLE-BLDG	OPEN OFFICE TYPE A/ C4	34	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	34	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687.2	ESOC	1.77	1.04	8243	5416
LASALLE-BLDG	OPEN OFFICE TYPE A-8F7/ C8-EM	27	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	27													

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hours	Post Hours	Hour Code	Monthly kWh	Monthly kWh Saved	Existing kWh	Annual kWh
LASALLE-BLDG	MEETING RM TYPE H / P	13	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	13	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3108	3107.7	ESMTG	1.03	0.61	3655	2101
LASALLE-BLDG	OPEN OFFICE TYPE A/C12	41	1X12L78P8EN	1X12 6L T8 PENDANT FIXTURE ELECTRONIC	23	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	171	36	4687	4687.2	ESCO	6.31	3.65	3266	1965
LASALLE-BLDG	OPEN OFFICE TYPE A/C4	23	1X4L2T8P8EN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	82	304F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687.2	ESCO	6.20	0.70	6253	3605
LASALLE-BLDG	OPEN OFFICE TYPE A-8FT / C8-EM	62	1X8L4T8P8EN	1X8 4L T8 PENDANT FIXTURE	62	404F76400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	90%	114	52	8760	8760	ESM	2.36	3.46	33129	18018
LASALLE-BLDG	PRIVATE OFFICE TYPE H / P	131	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	131	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2997	2997	ESPO	10.38	6.13	34549	20416
LASALLE-BLDG	RESTROOM TYPE C/D1	12	F226	2-26W FLUOR FIXTURE	12	LED1SHWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	58	24	4983	4982.9	ESRR	0.56	0.42	3109	2332
LASALLE-BLDG	RESTROOM TYPE F / B/B1/B3	10	1X4L2T8	1X4 2L T8 FIXTURE ELECTRONIC	10	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4983	4982.9	ESRR	0.62	0.31	2936	1694
LASALLE-BLDG	STORAGE TYPE F / B/B1/B3	1	1X4L2T8	1X4 2L T8 FIXTURE ELECTRONIC	1	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2700	2700	STO	0.05	0.03	157	92
LASALLE-BLDG	STORAGE TYPE H / P	1	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	1	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	0.08	0.05	238	140
LASALLE-BLDG	STORAGE TYPE A2	6	2X23T8L1	2X2 2L T8 FIXTURE	6	202F7K12800L	2LT 2FT T8 LED 2800L W/3200L KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	51	23	2700	2700	STO	0.28	0.15	826	454
LASALLE-BLDG	HALL TYPE LB	6	1X4L2T8W1M	1X4 2L T8 WALL MOUNT	6	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	5779	5779.4	ESH	0.31	0.18	2011	1179
LASALLE-BLDG	OPEN OFFICE TYPE B1	10	1X4L2T8	1X4 2L T8 FIXTURE ELECTRONIC	10	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687.2	ESCO	0.52	0.31	2719	1594
LASALLE-BLDG	MEETING RM TYPE HD P1	6	2X23T8L1	2X2 2L T8 FIXTURE	6	202F7K12800L	2LT 2FT T8 LED 2800L W/3200L KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	51	23	3108	3107.7	ESMTG	0.28	0.15	951	522
LASALLE-BLDG	FILE RM TYPE H / P	17	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	17	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	1.35	0.80	4039	2387
LASALLE-BLDG	HALL TYPE K/2 A	22	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	22	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	70	24	5779	5779.4	ESH	0.98	0.91	8900	5849
LASALLE-BLDG	HALL TYPE C/D1	11	F226	2-26W FLUOR FIXTURE	11	LED1SHWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	5779	5779.4	ESH	0.51	0.39	3306	2474
LASALLE-BLDG	HALL TYPE H / P	27	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	27	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	5779	5779.4	ESH	1.24	1.26	13732	8114
LASALLE-BLDG	LOUNGE/BREAKRM TYPE H / P	5	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	5	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4320	4320	ESLB	0.40	0.23	1901	1123
LASALLE-BLDG	MECH TYPE C/D1	12	F226	2-26W FLUOR FIXTURE	12	LED1SHWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4050	4050	MECH	0.66	0.42	2527	1895
LASALLE-BLDG	MECH TYPE F/B/B1/B3	14	1X4L2T8	1X4 2L T8 FIXTURE ELECTRONIC	14	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4050	4050	MECH	0.73	0.43	3289	1928
LASALLE-BLDG	MEETING RM TYPE H / P	26	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	26	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3108	3107.7	ESMTG	0.63	0.37	2188	1263
LASALLE-BLDG	MEETING RM TYPE H / P	8	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	8	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3108	3107.7	ESMTG	0.63	0.37	2188	1263
LASALLE-BLDG	OPEN OFFICE TYPE K/2 A	18	2X4L2L1	2X4 2L T8 PENDANT FIXTURE	18	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	4687	4687.2	ESCO	1.13	0.75	5906	3881
LASALLE-BLDG	OPEN OFFICE TYPE A/C12	35	1X12L78P8EN	1X12 6L T8 PENDANT FIXTURE	70	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	171	36	4687	4687.2	ESCO	5.39	3.12	28053	16241
LASALLE-BLDG	OPEN OFFICE TYPE A/C4	11	1X4L2T8P8EN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	11	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687.2	ESCO	0.57	0.34	2990	1753
LASALLE-BLDG	OPEN OFFICE TYPE A-8FT / C8-EM	24	1X8L4T8P8EN	1X8 4L T8 PENDANT FIXTURE	24	404F76400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	90%	114	52	8760	8760	ESM	2.46	3.14	12824	6975
LASALLE-BLDG	OPEN OFFICE TYPE A-8FT / C8-EM	14	1X8L4T8P8EN	1X8 4L T8 PENDANT FIXTURE	14	404F76400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	100%	114	52	8760	8760	ESM	1.60	0.87	13981	7604
LASALLE-BLDG	OPEN OFFICE TYPE H / P	86	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	86	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4050	4050	ESLB	0.61	0.42	30650	18112
LASALLE-BLDG	PRIVATE OFFICE TYPE H / P	85	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	85	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2997	2997	ESPO	10.38	6.13	34549	20416
LASALLE-BLDG	RESTROOM TYPE C/D1	12	F226	2-26W FLUOR FIXTURE	12	LED1SHWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	58	24	4983	4982.9	ESRR	0.56	0.42	3109	2332
LASALLE-BLDG	RESTROOM TYPE F / B/B1/B3	10	1X4L2T8	1X4 2L T8 FIXTURE ELECTRONIC	11	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4983	4982.9	ESRR	0.62	0.31	2936	1694
LASALLE-BLDG	STORAGE TYPE F / B/B1/B3	1	1X4L2T8	1X4 2L T8 FIXTURE ELECTRONIC	1	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2700	2700	STO	0.05	0.03	157	92
LASALLE-BLDG	STORAGE TYPE H / P	10	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	10	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	0.79	0.47	2376	1404
LASALLE-BLDG	STORAGE TYPE A2	6	2X23T8L1	2X2 2L T8 FIXTURE	6	202F7K12800L	2LT 2FT T8 LED 2800L W/3200L KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	51	23	2700	2700	STO	0.28	0.15	826	454
LASALLE-BLDG	HALL TYPE LB	6	1X4L2T8W1M	1X4 2L T8 WALL MOUNT	6	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	5779	5779.4	ESH	0.31	0.18	2011	1179
LASALLE-BLDG	OPEN OFFICE TYPE B1	10	1X4L2T8	1X4 2L T8 FIXTURE ELECTRONIC	10	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687.2	ESCO	0.52	0.31	2719	1594
LASALLE-BLDG	MEETING RM TYPE HD P1	6	2X23T8L1	2X2 2L T8 FIXTURE	6	202F7K12800L	2LT 2FT T8 LED 2800L W/3200L KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	51	23	3108	3107.7	ESMTG	0.28	0.15	951	522
LASALLE-BLDG	COMPUTER RM TYPE H / P	6	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	6	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4687	4687.2	ESCO	0.48	0.28	2475	1462
LASALLE-BLDG	COPY RM TYPE H / P	14	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	14	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3780	3780	COPY	1.11	0.66	4657	2752
LASALLE-BLDG	FILE RM TYPE K/2 A	4	2X4L2L1	2X4 2L T8 PENDANT FIXTURE	4	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	2700	2700	STO	0.25	0.17	756	497
LASALLE-BLDG	FILE RM TYPE H / P	37	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	37	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	2.83	1.73	8791	5186
LASALLE-BLDG	HALL TYPE K/2 A	20	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	20	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	70	24	5779	5779.4	ESH	0.80	0.83	8091	5317
LASALLE-BLDG	HALL TYPE C/D1	11	F226	2-26W FLUOR FIXTURE	11	LED1SHWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	5779	5779.4	ESH	0.51	0.39	3306	2474
LASALLE-BLDG	HALL TYPE H / P	26	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	26	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	5779	5779.4	ESH	2.06	1.22	13223	7814
LASALLE-BLDG	LOUNGE/BREAKRM TYPE H / P	5	2X4L3T8	2X4 3L T8 FIXTURE ELECTRONIC	5	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4320	4320	ESLB	0.40	0.23	1901	1123
LASALLE-BLDG	MECHANICAL TYPE F/B/B1/B3	14	1X4L2T8	1X4 2L T8 FIXTURE ELECTRONIC	14	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4050	4050	MECH	0.73	0.43	3289	1928
LASALLE-BLDG	MEETING RM TYPE C/D1	6	F226	2-26W FLUOR FIXTURE	6	LED1SHWRECKIT8'	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	3108	3107.7	ESMTG	0.28	0.21	970	727
LASALLE-BLDG	OPEN OFFICE TYPE A/C12	75	1X12L78P8EN	1X12 6L T8 PENDANT FIXTURE ELECTRONIC	150	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	171	36	4687	4687.2	ESCO	11.54	6.68	60113	34802
LASALLE-BLDG	OPEN OFFICE TYPE A/C4	15	1X4L2T8P8EN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	15	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4687	4687.2	ESCO	0.78	0.46	4078	2390
LASALLE-BLDG	OPEN OFFICE TYPE A-8FT / C8-EM	24	1X8L4T8P8EN	1X8 4L T8 PENDANT FIXTURE	24	404F76400L1N8FT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8' FIXTURE	90%	114	52	8760	8760	ESM	2.46	3.14	12824	

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Burn Hours	Post Burn Hours	Pre Burn Hours	Post Burn Hours	Hour Group	Monthly kWh Saved	Monthly kWh Saved	Existing kWh	Annual kWh
LASALLE-BLDG	OPEN OFFICE TYPE A-8FT / C8	35	1X84L8PEN	1X8 4L T8 PENDANT FIXTURE	35	404F74800LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	4687	4687.2	ESCO	3.59	1.95	18702	10171
LASALLE-BLDG	OPEN OFFICE TYPE A-8FT / CB-EM	12	1X84L8PEN	1X8 4L T8 PENDANT FIXTURE	12	404F74800LINF8T	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	100%	114	52	8760	8760	EM	1.37	0.74	11984	6517
LASALLE-BLDG	OPEN OFFICE TYPE H / P	4	2X4L18	2X4 3L T8 FIXTURE ELECTRONIC	4	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	4687	4687.2	ESCO	0.32	0.19	1650	975
LASALLE-BLDG	PRIVATE OFFICE TYPE H / P	83	2X4L18	2X4 3L T8 FIXTURE ELECTRONIC	83	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	2997	2997.4	ESRR	0.57	0.38	2190	12935
LASALLE-BLDG	RESTROOM TYPE C/C1/D8	12	F226	2-26W FLUOR FIXTURE	12	LED1SHWRCKIT8T	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	4983	4983.2	ESRR	0.62	0.42	3109	2232
LASALLE-BLDG	RESTROOM TYPE F/B/1/B3	11	1X42L18	1X4 2L T8 FIXTURE ELECTRONIC	11	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	4983	4983.2	ESRR	0.57	0.34	3179	1864
LASALLE-BLDG	STORAGE TYPE C/C1/D8	1	F226	2-26W FLUOR FIXTURE	1	LED1SHWRCKIT8T	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	2700	2700	STO	0.05	0.04	144	105
LASALLE-BLDG	STORAGE TYPE F/B/1/B3	1	1X42L18	1X4 2L T8 FIXTURE ELECTRONIC	1	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2700	2700	STO	0.05	0.03	157	92
LASALLE-BLDG	STORAGE TYPE H / E	35	2X4L18	2X4 3L T8 FIXTURE ELECTRONIC	35	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	125	20	4380	4380	EXT	0.04	0.04	2190	1840
LASALLE-BLDG	STAIRS EM TYPE LB	78	1X42L18WB	1X4 2L T8 WALL MOUNT	78	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	4.52	2.65	39630	23232
LASALLE-BLDG	SENSOR VARIOUS	1	NOPE	NO EXISTING P.E. CONTROL	1	PERKIT	ADD PE CONTROL TO EACH FIXTURE IF APPLICABLE	ALR 120 OR 277 VOLT PHOTO CONTROL, CONTRACTOR VERIFY.	0%	0	0	0	0	S	0.00	0.00	0	0
LASALLE-BLDG	SENSOR VARIOUS	1	NOPE	NO EXISTING P.E. CONTROL	1	PECONTROL	NEW PE CONTROL FOR ALL LIGHTS	ALR AT 30 OR 277V PER SPECIFICATIONS	0%	0	0	0	0	S	0.00	0.00	0	0
LASALLE-BLDG	SENSOR VARIOUS	12	DIMMER	EXIST. DIMMER ON INCANDESCENT	12	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	0%	0	0	0	0	S	0.00	0.00	0	0
LASALLE-BLDG	SENSOR VARIOUS	4	DIMMER	EXIST. DIMMER ON INCANDESCENT	4	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	0%	0	0	0	0	S	0.00	0.00	0	0
LASALLE-BLDG	EXTERIOR TYPE E / CP	6	MH100CM	100W METAL HALIDE CEILING MOUNT	6	NEWLED30CM	30 WATT LED SMALL CEILING MOUNT	NEW 30 WATT LED SMALL CEILING MOUNT FIXTURE - TBD	10%	125	30	4380	4380	EXT	0.08	0.06	3285	2497
LASALLE-BLDG	EXTERIOR TYPE H / E	4	MH100FL	100W METAL HALIDE FLOOD	4	NEWLED30REC	NEW 30 WATT LED RECESSED CAN	NEW 30 WATT LED RECESSED CAN AND TRIM	10%	125	20	4380	4380	EXT	0.05	0.04	2190	1840
LASALLE-BLDG	EXTERIOR VARIOUS	6	MH175WP	175W METAL HALIDE WALL PACK	6	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.13	0.10	5598	4546
LASALLE-BLDG	EXTERIOR VARIOUS	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBCC	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	DECO D824-150-50-.....	10%	450	94	4380	4380	EXT	0.18	0.14	7884	6237
LASALLE-BLDG	VARIOUS ITEMS	4	NOPE	NEED TO CORRECT WIRING	4	BALLASTCHANGE	CHANGE BALLAST IN NEW FIXTURE	CONTRACTOR TO CHANGE INCORRECT OR REFLECTIVE BALLAST	0%	0	0	0	0	NO	0.00	0.00	0	0
LASALLE-BLDG	VARIOUS ITEMS	12	NOLENS	NO EXISTING LENS OR EXIST STING IS BROKEN	12	NEW2X4LENS	NEW 2X4 LENS 125 CUT TO SIZE	ALP 125 2X4 PRISMATIC LENS CUT TO SIZE	0%	0	0	0	0	NO	0.00	0.00	0	0
LASALLE-BLDG	VARIOUS ITEMS	6	NOTILE	NO EXISTING TILE	6	NEW2X4TILE	NEW 2X4 CEILING TILE	ARMSTRONG OR USG 2X4 TILE TO MATCH EXISTING	0%	0	0	0	0	NO	0.00	0.00	0	0
LASALLE-BLDG	VARIOUS ITEMS	12	NOLENS	NO EXISTING LENS OR EXIST STING IS BROKEN	12	NEWWRAPLENS	NEW WRAP LENS CUSTOM	ALP CUSTOM WRAP AROUND LENS PER SAMPLE	0%	0	0	0	0	NO	0.00	0.00	0	0
LASALLE-GAR	GARAGE ENTRY	18	MH250CM	250W METAL HALIDE CEILING MOUNT	18	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	275	25	8760	8760	GAR	4.40	4.00	38544	35040
LASALLE-GAR	GARAGE LEVEL 1	26	MH175CM	175W METAL HALIDE CEILING MOUNT	26	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	26	8760	8760	GAR	17.04	15.04	14070	13175
LASALLE-GAR	GARAGE LEVEL 2	72	MH175CM	175W METAL HALIDE CEILING MOUNT	72	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	25	8760	8760	GAR	15.34	13.54	13433	11875
LASALLE-GAR	GARAGE LEVEL 3	34	MH175CM	175W METAL HALIDE CEILING MOUNT	34	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	25	3445	3445.2	GARDL	6.52	5.75	24950	22022
LASALLE-GAR	GARAGE LEVEL 3	72	MH175CM	175W METAL HALIDE CEILING MOUNT	72	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	25	8760	8760	GAR	15.34	13.54	13433	11875
LASALLE-GAR	GARAGE LEVEL 4	24	MH175CM	175W METAL HALIDE CEILING MOUNT	24	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	25	4050	4050	MECH	4.52	3.75	24950	22022
LASALLE-GAR	GARAGE LEVEL 4	72	MH175CM	175W METAL HALIDE CEILING MOUNT	72	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	25	8760	8760	GAR	15.34	13.54	13433	11875
LASALLE-GAR	GARAGE LEVEL 4	34	MH175CM	175W METAL HALIDE CEILING MOUNT	34	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	25	3445	3445.2	GARDL	6.52	5.75	24950	22022
LASALLE-GAR	GARAGE LEVEL 5	72	MH175CM	175W METAL HALIDE CEILING MOUNT	72	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	25	8760	8760	GAR	15.34	13.54	13433	11875
LASALLE-GAR	GARAGE LEVEL 5	72	MH175CM	175W METAL HALIDE CEILING MOUNT	72	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	25	8760	8760	GAR	15.34	13.54	13433	11875
LASALLE-GAR	GARAGE LEVEL 6	34	MH175CM	175W METAL HALIDE CEILING MOUNT	34	NEWLED40GARTOC	NEW 40 WATT LED GARAGE FIXTURE-TOP TIER	NEW 40 WATT LED GARAGE FIXTURE - TOP TIER	100%	213	25	3445	3445.2	GARDL	6.52	5.75	24950	22022
LASALLE-GAR	GARAGE ROOF	15	MH400SB	400W METAL HALIDE SHOE BOX	15	NEWLED150SBCC	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	DECO D824-150-50-.....	10%	450	94	3800	4380	EXT	0.68	0.53	29565	23389
LASALLE-GAR	GARAGE STAIRS (4)	104	F242	2-24W FLUOR MOUNT	104	LED30HSURKIT	30 WATT LED CONVERSION KIT FOR SUR OR CM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	84	30	8760	8760	EM	8.74	5.62	76257	49196
LASALLE-GAR	GARAGE STORAGE AREAS	38	1X42L18WB	1X4 2L T8 WALL MOUNT	38	204F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2700	2700	STO	1.84	1.16	5951	3488
LASALLE-GAR	GARAGE STORAGE AREAS	24	F226	2-26W FLUOR FIXTURE	24	LED1SHWRCKIT8T	15 WATT LED REC OR BOX MT TRIM KIT	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	114	24	2700	2700	STO	0.38	0.24	1388	415
LASALLE-GAR	GARAGE STORAGE AREAS	12	FL32	32W FLUOR ADAPTER	12	LED10WBULB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	90%	32	10	2700	2700	STO	0.35	0.24	1037	713
LASALLE-GAR	GARAGE ELEVATOR LOBBYS	14	F226	2-26W FLUOR FIXTURE	14	LED1SHWRCKIT8T	15 WATT LED REC OR BOX MT TRIM KIT	HALO SLD 605 930 W/HX/ET6	100%	52	13	8760	8760	GAR	3.73	0.55	6377	4783
LASALLE-GAR	GARAGE ELEVATOR LOBBYS	70	F226	2-26W FLUOR FIXTURE	70	LED1SHWRCKIT8T	15 WATT LED REC OR BOX MT TRIM KIT	HALO SLD 605 930 W/HX/ET6	100%	52	13	8760	8760	GAR	3.64	0.73	31886	23915
LASALLE-GAR	ELEVATOR RECESSED HAVEN	216	INC25	25W INCANDESCENT FIXTURE	216	LED7WVMB16	7-9 WATT LED BULB-SPECIFY STYLE	7 WATT LED BULB - SPECIFY STYLE	100%	25	7	8760	8760	EM	4.50	3.89	47304	34099
LASALLE-GAR	GARAGE VARIOUS	12	NOLENS	NO EXISTING LENS OR EXIST STING IS BROKEN	12	NEWWRAPLENS	NEW WRAP LENS CUSTOM	ALP CUSTOM WRAP AROUND LENS PER SAMPLE	0%	0	0	0	0	NO	0.00	0.00	0	0
STATE-CAPITOL	EMERGENCY TYPE A	4	2X2317L	2X2 3L F17 T8 FIXTURE	4	202F72200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	100%	51	18	8760	8760	EM	0.20	0.13	1787	1156
STATE-CAPITOL	EMERGENCY TYPE B-TUNNEL	12	1X42LVLT	1X4 2L T12 VAPOR TIGHT	12	204F72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	100%	70	19	8760	8760	EM	0.84	0.61	7358	5361
STATE-CAPITOL	HALL/COMMON TYPE A	8	2X2317L	2X2 3L F17 T8 FIXTURE	8	202F72200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	100%	51	18	7425	7425	HSC	0.41	0.26	3029	1960
STATE-CAPITOL	LOUNGE/BREAKRM TYPE A-2X4 OLD	2	2X44LOLD	2X4 4L T2 OLD FIXTURE	2	LED24FTKITVLENS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	140	33	5161	5161.1	LB	0.25	0.19	1445	1104
STATE-CAPITOL	LOUNGE/BREAKRM TYPE A-2X4	4	2X44LT8	2X4 4L T8 FIXTURE	4	LED24FTKITVLENS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	114	33	5161	5161.1	LB	0.41	0.29	2635	1672
STATE-CAPITOL	MECH EMERGENCY TYPE A-2X4	6	2X44LT8	2X4 4L T8 FIXTURE	6	LED24FTKITVLENS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	114	33	8760	8760	EM	0.88	0.49	5992	4257
STATE-CAPITOL	MECH EMERGENCY TYPE A-2X4	24	1X42L18	1X4 2L T8 STRIP	24	LED24F74200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	51	33	4050	4050	MECH	4.02	3.16	24951	2073
STATE-CAPITOL	MECH EMERGENCY TYPE A-2X4	9	204F72400L	2LT 4FT T8 STRIP	9	204F72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	0.47	0.32	2114	1422
STATE-CAPITOL	MECH EMERGENCY TYPE A-2X4	37	1X42L18S	1X4 2L T8 STRIP	37	204F72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	1.93	1.30	8691	5844
STATE-CAPITOL	MEETING RM EMERGENCY TYPE A	6	2X44LT8	2X4 4L T8 FIXTURE	6	LED24FTKITVLENS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	114	33	2840	2840.4	MTG	0.62	0.44	1943	1380
STATE-CAPITOL	MEETING RM TYPE A-2X4 OLD	34	2X44LOLD	2X4 4L T2 OLD FIXTURE	34	LED24FTKITVLENS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	140	33	5161	5161.1	LB	0.52	0.41	2052	1316
STATE-CAPITOL	MEETING RM TYPE A-2X4	13	2X44LT8	2X4 4L T8 FIXTURE	13	LED24FTKITVLENS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	114	33	5141	5140.8	OO	1.33	0.95	7619	5413
STATE-CAPITOL	OPEN OFFICE TYPE A-2X4 OLD	4	2X44LOLD	2X4 4L T2 OLD FIXTURE	4	LED24FTKITVLENS4000L	LED 3 LAMP											

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hour	Post Hour	Hour Group	Monthly Pre kWh	Monthly Post kWh	Existing kWh Saved	Annual kWh Saved
STATE-CAPITOL	ATTIC TYPE ST	54	1X42L78S	1X4 2L T8 STRIP	54	204F24200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19 8760	8760	H	3.13	2.11	27436	18449	
STATE-CAPITOL	ATTIC TYPE ST	11	1X42L78S	1X4 2L T8 STRIP	11	204F24200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19 8760	8760	H	3.13	2.11	27436	18449	
STATE-CAPITOL	COPY RM TYPE ADS	8	2X2317L	2X2 3L F17 T8 FIXTURE	8	302F23300L	3LT 2FT T8 LED W/3300L DRIVER	3LT 3300 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	27 8760	3780	COFY	0.37	0.17	1542	726	
STATE-CAPITOL	EMERGENCY TYPE A	12	2X2317L	2X2 3L F17 T8 FIXTURE	12	202F22200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	100%	51	19 8760	8760	EM	0.61	0.40	5361	3469	
STATE-CAPITOL	EMERGENCY TYPE A24	4	2X2317L	2X2 3L F17 T8 FIXTURE	4	202F22200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	100%	51	19 8760	8760	EM	0.20	0.13	1787	1150	
STATE-CAPITOL	HALL/COMMON TYPE A24	32	2X2317L	2X2 3L F17 T8 FIXTURE	32	202F22200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	100%	51	19 8760	8760	EM	1.12	0.68	1274	704	
STATE-CAPITOL	HALL/COMMON TYPE A24	6	2X2317L	2X2 3L F17 T8 FIXTURE	6	202F22200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	100%	51	19 8760	8760	HSC	0.31	0.20	2272	1476	
STATE-CAPITOL	HOUSE SPECIAL APP TYPE COVE	210	FLEZ7	27W FLUOR ADAPTER	210	LED10WBULB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	90%	27	10 5431	5431.1	SCHAM	5.10	3.21	30794	19389	
STATE-CAPITOL	HOUSE SPECIAL APP TYPE FLOOD	16	MH100FL	100W METAL HALIDE FLOOD	16	LED25WBULBPAR	25 WATT LED BULB-SPECIFY STYLE	25 WATT LED BULB - SPECIFY STYLE	90%	125	25 5431	5431.1	SCHAM	1.80	1.44	10862	8690	
STATE-CAPITOL	HOUSE SPECIAL APP TYPE RECESSED	24	INC750	750W INCANDESCENT FIXTURE	24	LED100HWCUSTKIT	100 WATT LED KIT FOR CUSTOM FIXTURE	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	600	100 5431	5431.1	SCHAM	14.69	12.53	88635	75600	
STATE-CAPITOL	HOUSE SPECIAL APP TYPE SCIENCE	12	INC260WM	2 - 60W INCANDESCENT WALL MOUNT	24	LED10WBULB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	90%	110	10 5431	5431.1	SCHAM	1.19	0.97	7169	5866	
STATE-CAPITOL	HOUSE SPECIAL APP TYPE SURFACE MOUNT	5	INC500	500W INCANDESCENT FIXTURE	5	LED80HWCUSTKIT	80 WATT LED CONVERSION KIT FOR CUSTOM FIXT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	450	80 5431	5431.1	SCHAM	2.03	1.67	12220	10047	
STATE-CAPITOL	LOUNGE/BREAK RM TYPE A	22	2X2317L	2X2 3L F17 T8 FIXTURE	22	202F22200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	19 4320	4320	ESLB	1.01	0.65	4847	3136	
STATE-CAPITOL	MECHANICAL TYPE ST T12	12	1X42L78S	1X4 2L T12 STRIP	12	204F24200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	19 4050	4050	MECH	0.76	0.55	3402	2478	
STATE-CAPITOL	MECHANICAL TYPE ST	72	1X42L78S	1X4 2L T8 STRIP	72	204F24200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19 4050	4050	MECH	3.76	2.53	18913	11372	
STATE-CAPITOL	MEETING RM TYPE ADS	28	2X2317L	2X2 3L F17 T8 FIXTURE	28	302F2300L	3LT 2FT T8 LED W/3000L DRIVER	(2) 3LT 1600 LUMEN DUAL SWITCH DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	13 3887	3887.7	ESMTG	1.29	0.98	5550	4135	
STATE-CAPITOL	MEETING RM TYPE ADS	13	F232	2-32 W FLUORESCENT FIXTURE	13	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-86-18-40MD OR EQUAL	90%	72	22 3887	3887.7	ESMTG	0.84	0.59	3638	2526	
STATE-CAPITOL	HOUSE SPECIAL APP TYPE DIMMER	1	DIMMER	EXIST. DIMMER ON INCANDESCENT	1	DIMMERLEDPANELSTATECAP	NEW LED DIMMER PANEL STATE CAPITOL CHAMBERS	LUTRON LED 4 CKT DIMMING PANEL PER SPECIFICATIONS	0%	0	0	0	NO	0.00	0.00	0	0	
STATE-CAPITOL	MEETING RM TYPE REC CAN	48	INC75REC	75W INCANDESCENT RECESSED CAN	48	LED10HWRECKIT8	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 605 830 WHXET6 OR EQUAL	90%	67	10 3887	3887.7	ESMTG	2.89	2.46	12499	10634	
STATE-CAPITOL	OPEN OFFICE TYPE A	49	2X2317L	2X2 3L F17 T8 FIXTURE	49	302F23300L	3LT 2FT T8 LED W/3300L DRIVER	3LT 3300 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	27 5141	5140.8	OO	2.26	1.06	12847	6946	
STATE-CAPITOL	OPEN OFFICE TYPE A24	18	2X2317L	2X2 3L F17 T8 FIXTURE	18	302F23300L	3LT 2FT T8 LED W/3300L DRIVER	3LT 3300 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	27 5141	5140.8	OO	0.83	0.39	4719	2221	
STATE-CAPITOL	PRIVATE OFFICE TYPE A24	108	2X2317L	2X2 3L F17 T8 FIXTURE	108	302F23300L	3LT 2FT T8 LED W/3300L DRIVER	(2) 3LT 1600 LUMEN DUAL SWITCH DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	67	13 4315	4314.6	ESPO	1.22	0.80	3403	2100	
STATE-CAPITOL	PRIVATE OFFICE TYPE REC CAN	21	INC75REC	75W INCANDESCENT RECESSED CAN	21	LED10HWRECKIT8	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 605 830 WHXET6 OR EQUAL	90%	67	10 4315	4314.6	ESPO	1.27	1.08	6071	5165	
STATE-CAPITOL	RESTROOM TYPE A	24	2X2317L	2X2 3L F17 T8 FIXTURE	24	202F22200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	18 4154	4154	ESRR	1.10	0.71	5084	3290	
STATE-CAPITOL	SENATE SPECIAL APP TYPE COVE	210	FLEZ7	27W FLUOR ADAPTER	210	LED10WBULB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	90%	27	10 5431	5431.1	SCHAM	5.10	3.21	30794	19389	
STATE-CAPITOL	SENATE SPECIAL APP TYPE MH FLOOD	16	MH100FL	100W METAL HALIDE FLOOD	16	LED25WBULBPAR	25 WATT LED BULB-SPECIFY STYLE	25 WATT LED BULB - SPECIFY STYLE	90%	125	25 5431	5431.1	SCHAM	1.80	1.44	10862	8690	
STATE-CAPITOL	SENATE SPECIAL APP TYPE SCIENCE	12	INC260WM	2 - 60W INCANDESCENT WALL MOUNT	24	LED10WBULB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	90%	110	10 5431	5431.1	SCHAM	1.19	0.97	7169	5866	
STATE-CAPITOL	SENATE SPECIAL APP TYPE SURFACE MOUNT	33	INC500W	500W INCANDESCENT FIXTURE	33	LED80HWCUSTKIT	80 WATT LED CONVERSION KIT FOR CUSTOM FIXT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	450	80 5431	5431.1	SCHAM	13.37	10.99	86651	66313	
STATE-CAPITOL	SPECIAL APPLICATIONS TYPE HOUSE SPOTS	8	INC500	500W INCANDESCENT FIXTURE	8	LED80HWCUSTKIT	80 WATT LED CONVERSION KIT FOR CUSTOM FIXT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	450	80 5431	5431.1	SCHAM	3.24	2.66	19552	16076	
STATE-CAPITOL	STORAGE TYPE ST	17	1X42L78S	1X4 2L T8 STRIP	17	204F24200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19 2700	2700	STO	0.89	0.60	2662	1790	
STATE-CAPITOL	SPECIAL APPLICATIONS TYPE HOUSE SPOTS	12	1X42L78S	1X4 2L T12 STRIP	12	204F24200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19 2700	2700	STO	0.66	0.58	2268	1652	
STATE-CAPITOL	SPECIAL APPLICATIONS TYPE HOUSE SPOTS	1	DIMMER	EXIST. DIMMER ON INCANDESCENT	1	DIMMERLEDPANELSTATECAP	NEW LED DIMMER PANEL STATE CAPITOL CHAMBERS	LUTRON LED 4 CKT DIMMING PANEL PER SPECIFICATIONS	0%	0	0	0	NO	0.00	0.00	0	0	
STATE-CAPITOL	EMERGENCY TYPE A	6	2X2317L	2X2 3L F17 T8 FIXTURE	6	202F22200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	100%	51	18 8760	8760	EM	0.31	0.20	2681	1734	
STATE-CAPITOL	HALL/COMMON TYPE A	28	2X2317L	2X2 3L F17 T8 FIXTURE	28	202F22200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	100%	51	19 7425	7425	HSC	1.43	0.92	10903	6961	
STATE-CAPITOL	MECHANICAL TYPE B	6	1X42L78S	1X4 2L T12 VAPOR TIGHT	6	204F24200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	19 4050	4050	MECH	0.38	0.28	1731	1239	
STATE-CAPITOL	MECHANICAL TYPE B	12	1X42L78S	1X4 2L T8 STRIP	12	204F24200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19 4050	4050	MECH	0.63	0.42	2919	1895	
STATE-CAPITOL	MEETING RM TYPE ADS	36	2X2317L	2X2 3L F17 T8 FIXTURE	36	302F2300LDS	3LT 2FT T8 LED W/3000L DRIVER	(2) 3LT 1600 LUMEN DUAL SWITCH DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	13 3887	3887.7	ESMTG	1.65	1.23	7328	5117	
STATE-CAPITOL	OPEN OFFICE TYPE A	116	2X2317L	2X2 3L F17 T8 FIXTURE	116	302F23300L	3LT 2FT T8 LED W/3300L DRIVER	3LT 3300 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	27 5141	5140.8	ESPO	5.42	2.91	30413	18312	
STATE-CAPITOL	PRIVATE OFFICE TYPE ADS	46	2X2317L	2X2 3L F17 T8 FIXTURE	46	302F2300LDS	3LT 2FT T8 LED W/3000L DRIVER	(2) 3LT 1600 LUMEN DUAL SWITCH DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	13 4315	4314.6	ESPO	2.11	1.57	10122	7432	
STATE-CAPITOL	RESTROOM TYPE A	8	2X2317L	2X2 3L F17 T8 FIXTURE	8	202F22200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	18 4154	4154	ESRR	0.37	0.24	1695	1097	
STATE-CAPITOL	EMERGENCY TYPE A	17	1X42L78S	1X4 2L T8 STRIP	17	204F24200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19 2700	2700	STO	0.89	0.60	2662	1790	
STATE-CAPITOL	STORAGE TYPE X CUSTOM 2	4	INC100CM	100W INCANDESCENT CEILING MOUNT	4	LED10WBULB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	90%	100	10 2700	2700	STO	0.36	0.32	1080	972	
STATE-CAPITOL	EMERGENCY TYPE A	18	2X2317L	2X2 3L F17 T8 FIXTURE	18	202F22200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	100%	51	18 8760	8760	EM	0.92	0.59	8042	5203	
STATE-CAPITOL	HALL/COMMON TYPE A24	22	2X2317L	2X2 3L F17 T8 FIXTURE	22	202F22200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	100%	51	19 7425	7425	HSC	1.12	0.73	8331	5391	
STATE-CAPITOL	LOUNGE/BREAK RM TYPE A24	12	2X2317L	2X2 3L F17 T8 FIXTURE	12	202F22200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	18 4320	4320	ESLB	0.36	0.24	2644	1711	
STATE-CAPITOL	MECHANICAL TYPE ST	38	1X42L78S	1X4 2L T8 STRIP	38	204F24200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19 4050	4050	MECH	1.98	1.33	8926	6020	
STATE-CAPITOL	MEETING RM TYPE A25	36	2X2317L	2X2 3L F17 T8 FIXTURE	36	302F2300LDS	3LT 2FT T8 LED W/3000L DRIVER	(2) 3LT 1600 LUMEN DUAL SWITCH DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	13 3887	3887.7	ESMTG	1.65	1.23	7316	5317	
STATE-CAPITOL	OPEN OFFICE TYPE A24	64	2X2317L	2X2 3L F17 T8 FIXTURE	64	302F23300L	3LT 2FT T8 LED W/3300L DRIVER	3LT 3300 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	27 5141	5140.8	OO	2.94	1.38	16780	7896	
STATE-CAPITOL	PRIVATE OFFICE TYPE A24	72	2X2317L	2X2 3L F17 T8 FIXTURE	72	302F2300LDS	3LT 2FT T8 LED W/3000L DRIVER	(2) 3LT 1600 LUMEN DUAL SWITCH DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	13 4315	4314.6	ESPO	3.00	2.45	1829	1405	
STATE-CAPITOL	RESTROOM TYPE A24	12	2X2317L	2X2 3L F17 T8 FIXTURE	12	202F22200L	2LT 2FT T8 LED W/2200L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	90%	51	18 4154	4154	ESRR	0.56	0.36	2542	1645	
STATE-CAPITOL	RESTROOM TYPE ST	12	1X42L78S	1X4 2L T8 STRIP	12	204F24200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19 4154	4154	ESRR	0.63	0.42	2891	1944	
STATE-CAPITOL	STORAGE TYPE ST	12	1X42L78S	1X4 2L T8 STRIP	12	204F24200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19 2700	2700	STO	0.63	0.42	1879		

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Proposed System)	Consist of	Diversity Factor	Pre Watts	Post Watts	Pre Hours	Post Hours	Hourly kWh Saved	Monthly kWh Saved	Existing kWh	Annual kWh Saved	
STATE-LIBRARY	COMMONHALL TYPE I	24	F232	2-32 W FLUORESCENT FIXTURE	24	LED15HWSURKIT	15 WATT LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	72	15	7142	7141.5	H	1.73	1.37	12341	9770
STATE-LIBRARY	COMMONHALL TYPE R / LOBBY WW	6	INC600M	300W INCANDESCENT FIXTURE	6	NWLED50FL	50 WATT LED FLOOD	NEW 50 WATT LED FLOOD	100%	270	50	7142	7141.5	H	1.62	1.32	11569	9427
STATE-LIBRARY	COMMONHALL TYPE S	18	MH2500	250W METAL HALIDE COILING MOUNT	18	LED60HWRECKIT10	60 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 60 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	100%	275	60	7142	7141.5	H	4.95	3.87	35350	27638
STATE-LIBRARY	EMERGENCY TYPE A	29	1X4L17B	1X4 1L T8 STRIP FIXTURE	14	2DF4T3200LNBFT	2LT 4FT T8 LED W/3200L DRIVER TANDEM (2-4S)	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP TANDEM # FIXTURE	100%	34	24	8760	8760	EM	0.95	0.62	8340	5396
STATE-LIBRARY	EMERGENCY TYPE B	6	1X4L17B	1X4 1L T8 STRIP FIXTURE	3	2DF4T3200LNBFT	2LT 4FT T8 LED W/3200L DRIVER TANDEM (2-4S)	2LT 3600 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	30	24	8760	8760	EM	0.83	0.57	3048	2050
STATE-LIBRARY	EMERGENCY TYPE B STAIRS	6	1X4L218WM	1X4 2L T8 WALL MOUNT	6	2DF4T2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	0.35	0.23	3048	2050
STATE-LIBRARY	EMERGENCY TYPE E1	2	F240XB	2-42W FLUOR FIXTURE	2	LED22FK1K3000L	LED 2X2 3000 L CONVERSION KIT	2- FOOT FOOT LED CONVERSION KIT BY GE	100%	84	24	8760	8760	EM	0.17	0.12	1472	1015
STATE-LIBRARY	OPEN OFFICE TYPE G	64	2X43L78LJ	2X4 3L T8 LAY IN	64	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	7430	7430.4	OC	5.63	3.33	41848	24728
STATE-LIBRARY	OPEN OFFICE TYPE H	32	2X43L78LJ	2X4 3L T8 LAY IN	16	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	36	24	8760	8760	EM	0.83	0.57	1094	673
STATE-LIBRARY	PRIVATE OFFICE TYPE H	26	INC75HAL	75 WATT HALOGEN FLOOD OR SPOT	26	4DF12WPAR	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE	90%	75	12	3013	3013.2	PO	0.70	0.43	5929	3225
STATE-LIBRARY	PRIVATE OFFICE TYPE H	10	2X22LBIAX	2X2 2-40W BIAH	10	2DF2FK12800L	2LT 2FT T8 LED 2800L W/50CKT KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	78	23	3013	3013.2	PO	0.48	0.29	2290	1597
STATE-LIBRARY	STACKS TYPE G	220	1X4L17B	1X4 1L T8 STRIP FIXTURE	110	2DF4T3200LNBFT	2LT 4FT T8 LED W/3200L DRIVER TANDEM (2-4S)	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP TANDEM # FIXTURE	90%	34	24	5400	5400	LIB	6.73	4.38	40392	26136
STATE-LIBRARY	STACKS TYPE G	24	2X43L78LJ	2X4 3L T8 LAY IN	12	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	5400	5400	LIB	1.90	1.12	11405	6739
STATE-LIBRARY	STACKS TYPE A EM	10	1X4L17B	1X4 1L T8 STRIP FIXTURE	5	2DF4T3200LNBFT	2LT 4FT T8 LED W/3200L DRIVER TANDEM (2-4S)	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP TANDEM # FIXTURE	100%	34	24	8760	8760	EM	0.34	0.22	2978	1927
STATE-LIBRARY	STACKS TYPE A EM	12	2X43L78LJ	2X4 3L T8 LAY IN	6	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	34	24	5400	5400	LIB	0.98	0.63	5875	3802
STATE-LIBRARY	READING TYPE B	12	2X43L78LJ	2X4 3L T8 LAY IN	6	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	5400	5400	LIB	0.98	0.63	5875	3802
STATE-LIBRARY	RESTROOMS TYPE F F1	12	2X4L218	2X4 2L T8 FIXTURE	12	2DF4T2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESRR	0.63	0.42	3468	2332
STATE-LIBRARY	RESTROOMS TYPE I	12	F226	2-26W FLUOR FIXTURE	12	LED10HWSURKIT	10 WATT LED CONVERSION KIT FOR SUR OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	52	10	4983	4982.9	ESRR	0.56	0.45	3109	2511
STATE-LIBRARY	RESTROOMS TYPE K	12	1X4L218	1X4 2L T8 FIXTURE ELECTRONIC	12	2DF4T2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESRR	0.63	0.42	3468	2332
STATE-LIBRARY	RESTROOMS TYPE V RR CLOSET	4	INC600M	60W INCANDESCENT CEILING MOUNT	4	LED7WBULB	7-9 WATT LED BULB-SPECIFY STYLE	7 WATT LED BULB - SPECIFY STYLE	90%	52	7	2700	2700	STO	0.19	0.16	562	486
STATE-LIBRARY	STORAGEMECH TYPE K/K1	4	1X4L2WR	1X4 2L T12 WRAP	2	2DF4T2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	19	2700	2700	STO	0.13	0.09	378	275
STATE-LIBRARY	STORAGEMECH TYPE N	10	1X6L4L	1X6 4L T8 FIXTURE	10	4DF4T6400LNBFT	4LT 4FT T8 LED W/6400L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP TANDEM # FIXTURE	90%	114	52	2700	2700	STO	1.16	0.68	4617	2311
STATE-LIBRARY	STORAGEMECH TYPE N	4	1X4L17B	1X4 1L T8 STRIP FIXTURE	2	2DF4T3200LNBFT	2LT 4FT T8 LED W/3200L DRIVER TANDEM (2-4S)	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP TANDEM # FIXTURE	90%	34	24	5400	5400	LIB	0.25	0.18	734	475
STATE-LIBRARY	STORAGEMECH TYPE O	4	1X4L218	1X4 2L T8 FIXTURE ELECTRONIC	4	2DF4T2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	2700	2700	STO	0.21	0.14	626	421
STATE-LIBRARY	MEETING TYPE P FRACK	24	INC75HAL	75 WATT HALOGEN FLOOD OR SPOT	24	LED12WPAR	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE	90%	75	12	2840	2840.4	MTG	1.62	1.36	5113	4295
STATE-LIBRARY	MEETING TYPE P	3	INC75HAL	75 WATT HALOGEN FLOOD OR SPOT	3	LED12WPAR	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE	90%	75	12	2840	2840.4	MTG	1.62	1.36	5113	4295
STATE-LIBRARY	MEETING TYPE I	24	INC75HAL	75 WATT HALOGEN FLOOD OR SPOT	24	LED12WPAR	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE	90%	75	12	2840	2840.4	MTG	1.62	1.36	5113	4295
STATE-LIBRARY	MEETING DIMMER	4	SWITCH	EXISTING TOGGLE SWITCH	4	DMRERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	90%	0	0	2840	2840.4	MTG	0.00	0.00	0	0
STATE-LIBRARY	SENSOR VARIOUS	4	NOPE	NO EXISTING P.E. CONTROL	4	PECONTR	ADD P.E. CONTROL TO EACH CIRCUIT CONTRACTOR VERIFY	ALR 120 OR 277 VOL T PHOTO CONTROL CONTRACTOR VERIFY	0%	0	0	0	0	S	0.00	0.00	0	0
STATE-LIBRARY	SENSOR VARIOUS	4	NOPE	NO EXISTING P.E. CONTROL	4	PECONTR	NEW P.E. CONTROLS FOR EXTERIOR LIGHTS	ALR AT-30 OR TORK 3000 PER SPECIFICATIONS	0%	0	0	0	0	S	0.00	0.00	0	0
STATE-LIBRARY	SENSOR VARIOUS	4	DIMMER	EXIST. DIMMER ON INCANDESCENT	4	DMRERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	90%	0	0	0	0	S	0.00	0.00	0	0
STATE-LIBRARY	COMMONHALL TYPE B	8	F243L78LJ	2X4 3L T8 LAY IN	8	304F73600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	30	8760	8760	EM	0.70	0.46	6167	4065
STATE-LIBRARY	COMMONHALL TYPE B2	3	2X43L18SM	2X4 3L T8 SURFACE FIXTURE	3	2DF4T3600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	30	8760	8760	EM	0.61	0.41	2326	1524
STATE-LIBRARY	COMMONHALL TYPE D	29	F232	2-32 W FLUORESCENT FIXTURE	29	LED15HWSURKIT	15 WATT LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	72	15	7142	7141.5	H	2.09	1.55	14911	11805
STATE-LIBRARY	COMMONHALL TYPE F1 F2	28	2X4L218	2X4 2L T8 FIXTURE	28	2DF4T2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	4142	4141.5	H	1.62	1.09	11568	7799
STATE-LIBRARY	COMMONHALL TYPE M	2	2X2LJL	2X2 2L T12 UB LAY IN	2	2DF2FK12800L	2LT 2FT T8 LED 2800L W/50CKT KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	70	23	8760	8760	EM	0.14	0.09	1226	823
STATE-LIBRARY	COMMONHALL TYPE M	2	2X4L218	2X4 2L T8 FIXTURE	2	2DF4T2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	4142	4141.5	H	1.12	0.68	1226	823
STATE-LIBRARY	COMMONHALL TYPE Y	11	F232	2-32 W FLUORESCENT FIXTURE	11	LED15HWSURKIT	15 WATT LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	72	15	7142	7141.5	H	0.79	0.63	5656	4478
STATE-LIBRARY	EMERGENCY TYPE A	20	1X4L17B	1X4 1L T8 STRIP FIXTURE	10	2DF4T3200LNBFT	2LT 4FT T8 LED W/3200L DRIVER TANDEM (2-4S)	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP TANDEM # FIXTURE	100%	34	24	8760	8760	EM	0.64	0.44	5957	3854
STATE-LIBRARY	EMERGENCY TYPE B EM	7	2X43L78LJ	2X4 3L T8 LAY IN	7	304F73600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	30	8760	8760	EM	0.62	0.41	5396	3557
STATE-LIBRARY	EMERGENCY TYPE B STAIRS	6	1X4L218WM	1X4 2L T8 WALL MOUNT	6	2DF4T2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	88	19	8760	8760	EM	0.35	0.23	3048	2050
STATE-LIBRARY	EMERGENCY TYPE E1	2	F240XB	2-42W FLUOR FIXTURE	2	LED22FK1K3000L	LED 2X2 3000 L CONVERSION KIT	2- FOOT FOOT LED CONVERSION KIT BY GE	100%	84	24	8760	8760	EM	0.17	0.12	1472	1015
STATE-LIBRARY	OPEN OFFICE TYPE G	24	2X43L78LJ	2X4 3L T8 LAY IN	24	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	7430	7430.4	OC	2.11	1.25	15693	9273
STATE-LIBRARY	OPEN OFFICE TYPE H	16	2X43L78LJ	2X4 3L T8 LAY IN	16	4DF14600L	3LT 4FT T8 LED W/4800L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	114	52	7430	7430.4	OC	1.82	0.99	13553	7371
STATE-LIBRARY	PRIVATE OFFICE TYPE H	18	INC75HAL	75 WATT HALOGEN FLOOD OR SPOT	18	4DF12WPAR	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE	90%	75	12	3013	3013.2	PO	0.72	0.47	1024	673
STATE-LIBRARY	STACKS TYPE A EM	20	1X4L17B	1X4 1L T8 STRIP FIXTURE	10	2DF4T3200LNBFT	2LT 4FT T8 LED W/3200L DRIVER TANDEM (2-4S)	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP TANDEM # FIXTURE	100%	34	24	8760	8760	EM	0.68	0.44	5957	3854
STATE-LIBRARY	STACKS TYPE A EM	32	1X4L17B	1X4 1L T8 STRIP FIXTURE	16	2DF4T3200LNBFT	2LT 4FT T8 LED W/3200L DRIVER TANDEM (2-4S)	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP TANDEM # FIXTURE	90%	34	24	5400	5400	LIB	0.98	0.63	5875	3802
STATE-LIBRARY	STACKS TYPE A EM	8	2X43L78LJ	2X4 3L T8 LAY IN	4	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	36	24	5400	5400	LIB	0.63	0.47	3047	2246
STATE-LIBRARY	STACKS TYPE A EM	28	2X4L218	2X4 2L T8 FIXTURE	12	2DF4T2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESRR	0.63	0.42	3468	2332
STATE-LIBRARY	RESTROOMS TYPE F F1	12	2X4L218	2X4 2L T8 FIXTURE	12	2DF4T2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESRR	0.63	0.42	3468	2332
STATE-LIBRARY	RESTROOMS TYPE I	12	F226	2-26W FLUOR FIXTURE	12	LED10HWSURKIT	10 WATT LED CONVERSION KIT FOR SUR OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	52	10	4983	4982.9	ESRR	0.56	0.45	3109	2511
STATE-LIBRARY	RESTROOMS TYPE K	12	1X4L218	1X4 2L T8 FIXTURE ELECTRONIC	12	2DF4T2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESRR	0.63	0.42	3468	2332
STATE-LIBRARY	RESTROOMS TYPE V RR CLOSET	4	INC600M	60W INCANDESCENT CEILING MOUNT	4	LED7WBULB	7-9 WATT LED BULB-SPECIFY STYLE	7 WATT LED BULB - SPECIFY STYLE	90%	52	7	2700	2700	STO	0.19	0.16	562	486
STATE-LIBRARY	STORAGEMECH TYPE K/K1	2</																

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hours	Post Hours	Hour Group Code	Monthly Pre kWh	Monthly kWh Saved	Existing kWh	Annual kWh Saved
STATE-LIBRARY	RESTROOMS TYPE V RR CLOSET	4	INC60CM	60W INCANDESCENT CEILING MOUNT	4	LED7WBULB	7-9 WATT LED BULB-SPECIFY STYLE	7 WATT LED BULB - SPECIFY STYLE	90%	52	7	2700	2700	STO	0.19	0.16	562	486
STATE-LIBRARY	STORAGE/MECH TYPE K/K1	2	1X42LWR	1X4 2L T12 WRAP	2	204F2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	19	2700	2700	STO	0.13	0.09	378	275
STATE-LIBRARY	STORAGE/MECH TYPE L	4	1X84LT8	1X8 4L T8 FIXTURE	4	404F7400L	4LT 4FT T8 LED W/6400L DRIVER LINEAR BFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2700	2700	STO	0.41	0.22	1231	670
STATE-LIBRARY	STORAGE/MECH TYPE O	9	2X42LT8	2X4 2L T8 FIXTURE ELECTRONIC	9	204F2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2700	2700	STO	0.47	0.32	1609	848
STATE-LIBRARY	COMMONHALL TYPE B	3	2X43LT8M	2X4 3L T8 LAY IN	3	404F7400L	3LT 4FT T8 LED W/6400L DRIVER	3LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	100%	89	30	8760	8760	EM	0.26	0.17	643	466
STATE-LIBRARY	COMMONHALL TYPE B2	3	2X43LT8M	2X4 3L T8 SURFACE FIXTURE	3	304F3400L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	30	8760	8760	EM	0.26	0.17	643	466
STATE-LIBRARY	COMMONHALL TYPE F1 F2	7	2X42LT8	2X4 2L T8 FIXTURE	7	204F2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	7142	7142.5	EM	0.35	0.23	2485	1850
STATE-LIBRARY	COMMONHALL TYPE M	2	2X42JBLT	2X2 2L T12 UB LAY IN	2	204F7400L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	70	23	8760	8760	EM	0.41	0.19	1226	823
STATE-LIBRARY	COMMONHALL TYPE T	2	2X22TLJ	2X2 2L T8 FIXTURE	2	204F2400L	2LT 2FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	100%	34	12	7142	7142	EM	0.14	0.04	407	314
STATE-LIBRARY	COMMONHALL TYPE U	6	2X42LT8	2X4 2L T8 FIXTURE	6	204F2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	7142	7142.5	EM	0.35	0.23	2485	1850
STATE-LIBRARY	EMERGENCY TYPE A	22	1X41LT8	1X4 1L T8 STRIP FIXTURE	11	204F3200L	2LT 4FT T8 LED W/3200L DRIVER TANDEM (2-4S)	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	100%	34	24	8760	8760	EM	0.75	0.48	3652	4240
STATE-LIBRARY	EMERGENCY TYPE B EM	7	2X43LT8J	2X4 3L T8 LAY IN	7	304F3600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	30	8760	8760	EM	0.42	0.41	5386	3557
STATE-LIBRARY	EMERGENCY TYPE B STAIRS	6	1X42LT8WM	1X4 2L T8 WALL MOUNT	6	204F2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.35	0.23	3048	2050
STATE-LIBRARY	EMERGENCY TYPE E1	2	F240BX	2-42W FLUOR FIXTURE	2	LED22FK13000L	LED 2X2 3000 L CONVERSION KIT	2-FOOT LED CONVERSION KIT BY GE	100%	84	24	8760	8760	EM	0.17	0.12	1472	1051
STATE-LIBRARY	OPEN OFFICE TYPE G	18	2X43LT8J	2X4 3L T8 LAY IN	18	304F7400L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	7430	7430.4	OC	1.58	0.94	11770	6955
STATE-LIBRARY	PRIVATE OFFICE TYPE G	29	INC735MAL	75 WATT HALOGEN FLOOD OR SPOT	29	LED12WPFR	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE	90%	75	12	3013	3013.2	LIB	1.64	1.64	6554	5505
STATE-LIBRARY	STACKS TYPE A	338	1X41LT8	1X4 1L T8 STRIP FIXTURE	169	204F3200L	2LT 4FT T8 LED W/3200L DRIVER TANDEM (2-4S)	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	34	24	5400	5400	LIB	1.34	0.69	62057	40154
STATE-LIBRARY	STACKS TYPE B	12	2X43LT8JL	2X4 3L T8 LAY IN	12	304F7400L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	5400	5400	LIB	0.95	0.56	5702	3370
STATE-LIBRARY	STACKS TYPE E AM	10	1X41LT8	1X4 1L T8 STRIP FIXTURE	5	204F3200L	2LT 4FT T8 LED W/3200L DRIVER TANDEM (2-4S)	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	100%	34	24	8760	8760	EM	0.34	0.22	2976	1827
STATE-LIBRARY	STACKS TYPE T	11	2X43LT8J	2X4 3L T8 LAY IN	11	204F3200L	2LT 4FT T8 LED W/3200L DRIVER TANDEM (2-4S)	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	34	24	5400	5400	LIB	0.67	0.44	4039	2514
STATE-LIBRARY	READING TYPE B	8	2X43LT8J	2X4 3L T8 LAY IN	8	304F7400L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	5400	5400	LIB	0.63	0.37	3902	2246
STATE-LIBRARY	RESTROOMS TYPE F F1	6	2X42LT8	2X4 2L T8 FIXTURE	6	204F2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESRR	0.31	0.21	1734	1166
STATE-LIBRARY	RESTROOMS TYPE M	6	F226	2-26W FLUOR FIXTURE	6	LED10HW5URKIT	10 WATT LED CONVERSION KIT FOR SUR OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	10%	52	10	4983	4982.9	ESRR	0.28	0.23	1555	1296
STATE-LIBRARY	RESTROOMS TYPE K	4	1X43LT8	1X4 3L T8 FIXTURE ELECTRONIC	4	204F2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	4983	4982.9	ESRR	0.28	0.23	1555	1296
STATE-LIBRARY	RESTROOMS TYPE V RR CLOSET	4	INC60CM	60W INCANDESCENT CEILING MOUNT	4	LED7WBULB	7-9 WATT LED BULB-SPECIFY STYLE	7 WATT LED BULB - SPECIFY STYLE	90%	52	7	2700	2700	STO	0.19	0.16	562	486
STATE-LIBRARY	STORAGE/MECH TYPE K/K1	2	1X42LWR	1X4 2L T12 WRAP	2	204F2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	19	2700	2700	STO	0.13	0.09	378	275
STATE-LIBRARY	STORAGE/MECH TYPE L	4	1X84LT8	1X8 4L T8 FIXTURE	4	404F7400L	4LT 4FT T8 LED W/6400L DRIVER LINEAR BFT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FIXTURE	90%	114	52	2700	2700	STO	0.41	0.22	1231	670
STATE-LIBRARY	STORAGE/MECH TYPE O	9	2X42LT8	2X4 2L T8 FIXTURE ELECTRONIC	9	204F2400L	2LT 4FT T8 LED W/4000L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2700	2700	STO	0.37	0.25	1096	737
STATE-LIBRARY	EXTERIOR TYPE W	12	MH250CM	250W METAL HALIDE CEILING MOUNT	12	NEWLED60CM	60 WATT LED SMALL CEILING MOUNT	NEW 60 WATT LED SMALL CEILING MOUNT	10%	275	60	4380	4380	EXT	0.33	0.28	14454	11300
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH175SP	175W METAL HALIDE SHADE PACK	4	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.09	0.07	3732	3031
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	10%	450	94	4380	4380	EXT	0.18	0.14	7684	6237
STATE-LIBRARY	EXTERIOR VARIOUS TYPE BB	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBP	NEW 150 WATT LED POLE MT SB-PREMIUM W/OCC SENSOR	NEW 150 W										

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consolid #	Diversity Factor	Pre Watts	Post Watts	Pre Hours	Post Hours	Hour Group	Monthly kWh Saved	Existing kWh	Annual kWh Saved	
WELCOMCTR-BLDG	GIFT SHOP TYPE C	31	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	31	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3000	3000	ESMUS	2.46	1.45	8184	4836
WELCOMCTR-BLDG	GIFT SHOP TYPE B EM	23	F242	2-42W FLUOR FIXTURE	23	F242	2-42W FLUOR FIXTURE	20 WATT LED REC OR BOX MT TRM KIT	90%	114	52	2000	2000	ESMUS	0.45	2.43	216	2178
WELCOMCTR-BLDG	PRIVATE OFFICE	6	F142	1-42W FLUOR FIXTURE	6	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	42	13	2664	2664	ESPO	0.23	0.18	671	464
WELCOMCTR-BLDG	PRIVATE OFFICE	12	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	12	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2864	2864	ESPO	0.56	0.56	2813	1662
WELCOMCTR-BLDG	PRIVATE OFFICE	12	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	12	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2864	2864	ESPO	0.56	0.56	2813	1662
WELCOMCTR-BLDG	PRIVATE OFFICE	12	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	12	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2864	2864	ESPO	0.56	0.56	2813	1662
WELCOMCTR-BLDG	HALL/COMMON	18	F142	1-42W FLUOR FIXTURE	18	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	42	13	5137	5137	ESH	0.68	0.47	3884	2682
WELCOMCTR-BLDG	HALL/COMMON	8	F142	1-42W FLUOR FIXTURE	8	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	100%	42	13	8760	8760	EM	0.34	0.23	2943	2032
WELCOMCTR-BLDG	HALL/COMMON	12	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	12	304F73600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	30	6348	6348	H	1.06	0.70	6703	4418
WELCOMCTR-BLDG	HALL/COMMON	24	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	24	304F73600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	24	6348	6348	H	1.25	0.83	6703	4298
WELCOMCTR-BLDG	RESTROOMS TYPE A	8	F142	1-42W FLUOR FIXTURE	8	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	42	13	4429	4429	ESRR	0.30	0.21	1488	1028
WELCOMCTR-BLDG	RESTROOM TYPE H	18	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	18	304F73600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	4429	4429	ESRR	1.43	0.94	7016	4624
WELCOMCTR-BLDG	STORAGE/MECH	12	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	12	204F72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	1200	1200	ESMCH	0.63	0.42	835	562
WELCOMCTR-BLDG	STORAGE/MECH	8	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	8	204F72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	100	55	6348	6348	H	0.90	0.36	5078	2285
WELCOMCTR-BLDG	MECHANICAL	8	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	8	204F72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	3600	3600	ESMCH	0.42	0.28	1070	1123
WELCOMCTR-BLDG	STAIRS	4	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	4	204F72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	8760	8760	EM	0.46	0.31	4065	2733
WELCOMCTR-BLDG	ATRIUM CONTROLS	4	SWITCH	EXISTING TOGGLE SWITCH	4	DAVSENSORWIRELESS	DAYLIGHT SENSOR FOR WIRELESS	WATT STOPPER LS-1000A OR 1B - 1 OR 2 B250 CONTROL WIRING	10%	0	0	0	0	S	0.00	0.00	0	0
WELCOMCTR-BLDG	EXTERIOR	36	F242	2-42W FLUOR FIXTURE	36	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRM KIT	GE LRX-R8-18-40MD OR EQUAL	10%	94	22	4380	4380	EXT	0.30	0.22	13245	9776
WELCOMCTR-BLDG	VARIOUS	4	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	4	204F72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2400	2400	STO	0.21	0.14	557	374
WELCOMCTR-BLDG	VARIOUS	4	2X43L78	2X4 3L T8 FIXTURE ELECTRONIC	4	304F73600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	30	2400	2400	STO	0.32	0.21	845	557
WELCOMCTR-BLDG	SENSOR VARIOUS	6	SWITCH	EXIST DIMMER ON INCANDESCENT	6	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	90%	0	0	0	0	S	0.00	0.00	0	0
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH100WP	100W METAL HALIDE WALL PACK	2	NEWLED30FL	30 WATT LED SMALL WALL PACK WIPE	NEW 30 WATT LED SMALL WALL PACK WIPE	10%	125	20	4380	4380	EXT	0.03	0.02	1095	920
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.04	0.03	1866	1515
WELCOMCTR-BLDG	EXTERIOR VARIOUS	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED40WP	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380						

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Burn Hours	Post Burn Hours	Hour Group	Monthly kWh Saved	Monthly kWh Saved	Existing kWh	Annual kWh Saved
LIVINGSTON	HALLS TYPE N	59	F232	2-32 W FLUORESCENT FIXTURE	59	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	100%	72	13	7142	7141.5	H	4.25	3.48	30337	24860
LIVINGSTON	HALLS TYPE P	21	F242	2-42W FLUOR FIXTURE	12	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-4MD OR EQUAL	100%	84	22	7142	7141.5	H	1.01	0.74	7199	5313
LIVINGSTON	HALLS TYPE P	44	F242	2-42W FLUOR FIXTURE	44	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-4MD OR EQUAL	100%	84	22	7142	7141.5	H	3.70	2.73	26395	19482
LIVINGSTON	UPPER METAL HALIDE RECESSED	34	MH175REC	175W METAL HALIDE RECESSED	34	LED40HWRECKIT10	40 WATT LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	213	40	7142	7141.5	H	7.24	5.88	51719	42006
LIVINGSTON	PRIVATE OFFICE TYPE C	8	2X43L.TBDS	2X4 3L TB FIXTURE ELECTRONIC	8	3D4F3600LDS	2LT 2FT TB LED W/2(2) 2200L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	67	23	3013	3013.2	PO	0.48	0.32	1615	1081
LIVINGSTON	PRIVATE OFFICE TYPE C	155	2X43L.TBDS	2X4 3L TB FIXTURE ELECTRONIC	155	3D4F3600LDS	2LT 2FT TB LED W/2(2) 2200L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	67	23	3013	3013.2	PO	0.48	0.32	1615	1081
LIVINGSTON	OPEN OFFICE TYPE C	18	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	18	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7430	7430.0	OO	1.58	1.15	11770	8560
LIVINGSTON	OPEN OFFICE TYPE D	10	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	10	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7430	7430.0	OO	0.88	0.64	6539	4756
LIVINGSTON	OPEN OFFICE TYPE D	96	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	96	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7430	7430.0	OO	8.45	6.14	62772	46562
LIVINGSTON	COPY AREA TYPE A	6	2X44L.TB	2X4 4L TB FIXTURE	6	LED24FKITVLNS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	84	22	7142	7141.5	H	3.39	2.62	2519	1837
LIVINGSTON	RESTROOMS TYPE N	10	F232	2-32 W FLUORESCENT FIXTURE	10	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5297	5297.4	RR	0.65	0.53	3814	3125
LIVINGSTON	RESTROOMS TYPE H	12	1X42L.TB	1X4 2L TB FIXTURE ELECTRONIC	12	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	8760	8760	EM	0.63	0.42	3687	2479
LIVINGSTON	LOUNGE/BREAK RM TYPE P	8	F242	2-42W FLUOR FIXTURE	6	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-4MD OR EQUAL	100%	84	22	7225	7225.2	LTB	1.09	0.37	3642	2688
LIVINGSTON	LOUNGE/BREAK RM TYPE C	8	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	8	3D4F3600LDS	2LT 2FT TB LED W/2(2) 2200L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	100%	88	24	7430	7430.0	OO	0.70	0.42	5087	3006
LIVINGSTON	MTG RM TYPE D	18	2X43L.TBDS	2X4 3L TB FIXTURE ELECTRONIC	18	3D4F3600LDS	2LT 2FT TB LED W/2(2) 2200L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	67	23	2840	2840.4	MTG	1.09	0.71	3426	2250
LIVINGSTON	CLERMONT MTG TYPE L20	2	1X126L.TSHOPEN	EXISTING 12FT 6 LAMP TSHO PEN FIXTURE	4	3D4FT15H01000LLIN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	300	81	2840	2840.4	MTG	0.54	0.25	1704	784
LIVINGSTON	CLERMONT MTG TYPE Q	10	INC100CM	100W INCANDESCENT CEILING MOUNT	10	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	90	13	2840	2840.4	MTG	0.81	0.69	2556	2187
LIVINGSTON	CLERMONT MTG ROOM DIMMERS	4	SWITCH	EXISTING TOGGLE SWITCH	4	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	90%	0	0	2840	2840.4	MTG	0.00	0.00	0	0
LIVINGSTON	EMERGENCY LIG TYPE G STAIRS	2	1X42L.TB	1X4 2L TB FIXTURE ELECTRONIC	2	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	8760	8760	EM	0.12	0.08	1016	683
LIVINGSTON	EMERGENCY LIG TYPE G STAIRS	6	1X42L.TB	1X4 2L TB FIXTURE ELECTRONIC	6	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	8760	8760	EM	0.35	0.23	3048	2050
LIVINGSTON	HALL SCIENCE TYPE AA	6	F442CUSTOM	4-42W FLUOR FIXTURE	6	LED40HWRECKIT10	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	168	40	8760	8760	EM	1.01	0.77	8830	6728
LIVINGSTON	MECH TYPE K	10	1X42L.TB	1X4 2L TB FIXTURE ELECTRONIC	10	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	90%	58	19	4050	4050	MECH	0.32	0.35	2349	1580
LIVINGSTON	STORAGE TYPE C	8	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	8	3D4F3600LDS	2LT 4FT TB LED W/3600L DRIVER	2LT 3600 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	90%	88	30	2700	2700	STO	0.52	0.21	950	626
LIVINGSTON	HALLS TYPE A EM	6	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	6	3D4F3600LDS	2LT 4FT TB LED W/3600L DRIVER	2LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	100%	88	30	8760	8760	EM	0.70	0.46	6167	4065
LIVINGSTON	HALLS TYPE N EM	56	F232	2-32 W FLUORESCENT FIXTURE	56	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	100%	72	13	7142	7141.5	H	4.03	3.39	2959	2306
LIVINGSTON	HALLS TYPE P	52	F242	2-42W FLUOR FIXTURE	52	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-4MD OR EQUAL	100%	84	22	7142	7141.5	H	1.01	0.74	7199	5313
LIVINGSTON	HALLS TYPE P	58	F242	2-42W FLUOR FIXTURE	58	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-4MD OR EQUAL	100%	84	22	7142	7141.5	H	1.01	0.74	7199	5313
LIVINGSTON	PRIVATE OFFICE TYPE C	8	2X43L.TBDS	2X4 3L TB FIXTURE ELECTRONIC	8	3D4F3600LDS	2LT 2FT TB LED W/2(2) 2200L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	67	23	3013	3013.2	PO	0.48	0.32	1615	1081
LIVINGSTON	PRIVATE OFFICE TYPE D	138	2X43L.TBDS	2X4 3L TB FIXTURE ELECTRONIC	138	3D4F3600LDS	2LT 2FT TB LED W/2(2) 2200L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	67	23	3013	3013.2	PO	0.32	0.23	2186	1526
LIVINGSTON	OPEN OFFICE TYPE C	6	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	6	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7430	7430.0	OO	0.53	0.38	3923	2853
LIVINGSTON	OPEN OFFICE TYPE D	92	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	92	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7430	7430.0	OO	0.88	0.64	6539	4756
LIVINGSTON	OPEN OFFICE TYPE D	86	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	86	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7430	7430.0	OO	0.88	0.64	6539	4756
LIVINGSTON	COPY AREA TYPE A	8	2X44L.TB	2X4 4L TB FIXTURE	8	LED24FKITVLNS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	114	33	3780	3780.0	COPY	0.41	0.29	1724	1225
LIVINGSTON	RESTROOMS TYPE N	10	F232	2-32 W FLUORESCENT FIXTURE	10	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5297	5297.4	RR	0.65	0.53	3814	3125
LIVINGSTON	RESTROOMS TYPE H	12	1X42L.TB	1X4 2L TB FIXTURE ELECTRONIC	12	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	8760	8760	EM	0.63	0.42	3687	2479
LIVINGSTON	LOUNGE/BREAK RM TYPE C	8	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	8	3D4F3600LDS	2LT 2FT TB LED W/2(2) 2200L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	100%	88	24	7430	7430.0	OO	0.70	0.42	5087	3006
LIVINGSTON	MTG RM TYPE D	12	2X43L.TBDS	2X4 3L TB FIXTURE ELECTRONIC	12	3D4F3600LDS	2LT 2FT TB LED W/2(2) 2200L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	67	23	2840	2840.4	MTG	0.72	0.48	2284	1500
LIVINGSTON	CLERMONT MTG TYPE L20	1	1X126L.TSHOPEN	EXISTING 12FT 6 LAMP TSHO PEN FIXTURE	2	3D4FT15H01000LLIN12FT	3LT 4FT TSHO W/10000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TSHO LAMP TANDEM 12' FIXTURE	90%	300	81	2840	2840.4	MTG	0.27	0.12	852	392
LIVINGSTON	CLERMONT MTG TYPE Q	10	INC100CM	100W INCANDESCENT CEILING MOUNT	10	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	100	13	2840	2840.4	MTG	0.90	0.78	2840	2471
LIVINGSTON	CLERMONT MTG ROOM DIMMERS	4	SWITCH	EXISTING TOGGLE SWITCH	4	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	90%	0	0	2840	2840.4	MTG	0.00	0.00	0	0
LIVINGSTON	EMERGENCY LIG TYPE G STAIRS	2	1X42L.TB	1X4 2L TB FIXTURE ELECTRONIC	2	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	8760	8760	EM	0.12	0.08	1016	683
LIVINGSTON	EMERGENCY LIG TYPE G STAIRS	6	1X42L.TB	1X4 2L TB FIXTURE ELECTRONIC	6	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	8760	8760	EM	0.35	0.23	3048	2050
LIVINGSTON	HALL SCIENCE TYPE AA	6	F442CUSTOM	4-42W FLUOR FIXTURE	6	LED40HWRECKIT10	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	168	40	8760	8760	EM	1.01	0.77	8830	6728
LIVINGSTON	MECH TYPE K	10	1X42L.TB	1X4 2L TB FIXTURE ELECTRONIC	10	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	90%	58	19	4050	4050	MECH	0.32	0.35	2349	1580
LIVINGSTON	STORAGE TYPE C	8	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	8	3D4F3600LDS	2LT 4FT TB LED W/3600L DRIVER	2LT 3600 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	90%	88	30	2700	2700	STO	0.52	0.21	950	626
LIVINGSTON	HALLS TYPE A EM	6	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	6	3D4F3600LDS	2LT 4FT TB LED W/3600L DRIVER	2LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	100%	88	30	8760	8760	EM	0.70	0.46	6167	4065
LIVINGSTON	HALLS TYPE N EM	54	F232	2-32 W FLUORESCENT FIXTURE	54	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	100%	72	13	7142	7141.5	H	3.89	3.19	2766	2273
LIVINGSTON	HALLS TYPE P	52	F242	2-42W FLUOR FIXTURE	52	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-4MD OR EQUAL	100%	84	22	7142	7141.5	H	1.01	0.74	7199	5313
LIVINGSTON	HALLS TYPE P	58	F242	2-42W FLUOR FIXTURE	58	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-4MD OR EQUAL	100%	84	22	7142	7141.5	H	1.01	0.74	7199	5313
LIVINGSTON	PRIVATE OFFICE TYPE C	8	2X43L.TBDS	2X4 3L TB FIXTURE ELECTRONIC	8	3D4F3600LDS	2LT 2FT TB LED W/2(2) 2200L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	67	23	3013	3013.2	PO	0.48	0.32	1615	1081
LIVINGSTON	PRIVATE OFFICE TYPE D	138	2X43L.TBDS	2X4 3L TB FIXTURE ELECTRONIC	138	3D4F3600LDS	2LT 2FT TB LED W/2(2) 2200L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	67	23	3013	3013.2	PO	0.32	0.23	2186	1526
LIVINGSTON	OPEN OFFICE TYPE C	6	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	6	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7430	7430.0	OO	0.53	0.38	3923	2853
LIVINGSTON	OPEN OFFICE TYPE D	92	2X43L.TB	2X4 3L TB FIXTURE ELECTRONIC	92	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7430	7430.0</					

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watt	Post Watt	Pre Hour	Post Hour	Hour Group	Monthly Pre kWh	Monthly Post kWh	Existing kWh Saved	Annual kWh Saved
LIVINGSTON	HALLS TYPE P	40	F242	2-4W FLUOR FIXTURE	40	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40MD OR EQUAL	100%	84	22	7142	7141.5	H	3.36	2.48	23995	1771
LIVINGSTON	PRIVATE OFFICE TYPE C	5	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	5	304F1360LDS	2LT 2FT TB LED W/2000L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	89	23	3013	3013.2	PO	0.84	0.63	234	120
LIVINGSTON	PRIVATE OFFICE TYPE D	125	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	125	304F1360LDS	2LT 2FT TB LED W/2000L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	67	23	3013	3013.2	PO	7.84	4.95	25238	16673
LIVINGSTON	OPEN OFFICE TYPE D	10	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	10	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7430	7430.0	CO	0.54	0.64	6539	4755
LIVINGSTON	OPEN OFFICE TYPE D	58	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	58	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7430	7430.0	CO	5.10	3.71	37925	2782
LIVINGSTON	OPEN OFFICE TYPE D	33	2X44LTD8	2X4 4L TB FIXTURE ELECTRONIC	33	LED24FKITVLNS4000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7430	7430.0	CO	3.18	2.24	11123	12025
LIVINGSTON	RESTROOMS TYPE N	10	F232	2-32 W FLUORESCENT FIXTURE	10	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5297	5297.4	RR	0.65	0.53	3814	3125
LIVINGSTON	RESTROOMS TYPE H	12	1X42LT8	1X4 2L TB FIXTURE ELECTRONIC	12	204F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	90%	58	19	5297	5297.4	RR	0.63	0.42	3687	2479
LIVINGSTON	LOUNGE/BREAK RM TYPE C	6	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	6	304F1360LDS	3LT 4FT TB LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	100%	88	30	7225	7225.2	RR	0.53	0.35	3815	2514
LIVINGSTON	LOUNGE/BREAK RM TYPE C	20	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	20	304F1360LDS	2LT 2FT TB LED W/2000L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	58	19	5297	5297.4	RR	0.63	0.42	3687	2479
LIVINGSTON	CLERMONT MTO TYPE L20	2	1X128LTSHPEN	EXISTING 12FT 6 LAMP T5HO PEN FIXTURE	4	304FT5THO1000LLIN12FT	3LT 4FT T5HO W/1000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T5HO LAMP TANDEM 12	90%	300	81	2840	2840.4	MTG	0.54	0.25	1704	784
LIVINGSTON	CLERMONT MTO TYPE	12	INC100CM	100W INCANDESCENT CEILING MOUNT	12	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	100	13	2840	2840.4	MTG	1.08	0.94	3048	2965
LIVINGSTON	CLERMONT MTO TYPE C	16	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	16	304F14800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	89	36	2840	2840.4	MTG	1.27	0.75	3999	2363
LIVINGSTON	CLERMONT MTO ROOM DIMMERS	4	SWITCH	EXISTING TOGGLE SWITCH	4	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	90%	0	0	2840	2840.4	MTG	0.00	0.00	0	0
LIVINGSTON	EMERGENCY TYPE F STAIRS	2	1X42LT8	1X4 2L TB FIXTURE ELECTRONIC	2	204F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	5760	5760	EM	0.12	0.08	1016	683
LIVINGSTON	EMERGENCY LGT TYPE G STAIRS	6	1X42LT8	1X4 2L TB FIXTURE ELECTRONIC	6	204F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	5760	5760	EM	0.35	0.23	3946	2900
LIVINGSTON	HALL STORAGE TYPE AA	6	F440CUSTOM	4-4W FLUOR FIXTURE	6	LED40HWICUSTKIT	40 WATT CUSTOM LED CONVERSION KIT FOR REC OR SM	2LT 40 WATT CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	168	40	5760	5760	EM	1.01	0.77	8850	6728
LIVINGSTON	HALL STORAGE TYPE B	4	2X42LT8	2X4 2L TB FIXTURE	4	204F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	90%	58	19	2700	2700	STO	0.21	0.14	626	421
LIVINGSTON	STORAGE TYPE B	4	2X42LT8	2X4 2L TB FIXTURE	4	204F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	90%	58	19	2700	2700	STO	0.21	0.14	626	421
LIVINGSTON	STORAGE TYPE C	4	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	4	304F1360LDS	3LT 4FT TB LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	88	30	2700	2700	STO	0.32	0.21	950	626
LIVINGSTON	HALLS TYPE A EM	8	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	8	304F1360LDS	3LT 4FT TB LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	88	36	8760	8760	EM	0.57	0.41	4625	2333
LIVINGSTON	HALLS TYPE NEM	10	F232	2-32 W FLUORESCENT FIXTURE	10	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	100%	72	13	5297	5297.4	EM	0.72	0.50	6307	5188
LIVINGSTON	HALLS TYPE N	47	F232	2-32 W FLUORESCENT FIXTURE	47	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	100%	72	13	7142	7141.5	H	3.53	2.77	24167	19803
LIVINGSTON	HALLS TYPE P	10	F242	2-4W FLUOR FIXTURE	10	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40MD OR EQUAL	100%	84	22	7142	7141.5	H	0.84	0.62	5999	4428
LIVINGSTON	2-4W FLUOR FIXTURE	36	F242	2-4W FLUOR FIXTURE	36	LED20HWRECKIT8	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40MD OR EQUAL	100%	84	22	7142	7141.5	H	3.36	2.48	23995	1771
LIVINGSTON	PRIVATE OFFICE TYPE C	8	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	8	304F1360LDS	2LT 2FT TB LED W/2000L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	67	23	3013	3013.2	PO	0.48	0.33	1615	901
LIVINGSTON	PRIVATE OFFICE TYPE D	127	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	127	304F1360LDS	2LT 2FT TB LED W/2000L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	67	23	3013	3013.2	PO	7.66	5.03	25639	16834
LIVINGSTON	OPEN OFFICE TYPE D	8	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	8	LED24FKITVLNS3000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7430	7430.0	CO	0.70	0.51	5231	3908
LIVINGSTON	OPEN OFFICE TYPE D	4	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	4	LED24FKITVLNS4000L	LED 2 LAMP 4 FT CONVERSION KIT W LENS	2LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	100%	88	24	7430	7430.0	CO	0.46	0.33	2158	1598
LIVINGSTON	COPY AREA TYPE A	4	2X44LTD8	2X4 4L TB FIXTURE	4	LED24FKITVLNS4000L	LED 3 LAMP 4 FT CONVERSION KIT W LENS	3LT 4 FOOT CONVERSION KIT W LENS BY RENOVIA OR EQUAL	90%	67	23	3780	3780	COPY	0.41	0.29	1724	1225
LIVINGSTON	RESTROOMS TYPE N	10	F232	2-32 W FLUORESCENT FIXTURE	10	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5297	5297.4	RR	0.65	0.53	3814	3125
LIVINGSTON	RESTROOMS TYPE H	12	1X42LT8	1X4 2L TB FIXTURE ELECTRONIC	12	204F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	90%	58	19	5297	5297.4	RR	0.63	0.42	3687	2479
LIVINGSTON	LOUNGE/BREAK RM TYPE C	6	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	6	304F1360LDS	3LT 4FT TB LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	100%	88	30	7225	7225.2	RR	0.53	0.35	3815	2514
LIVINGSTON	MTO RM TYPE D	12	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	12	304F1360LDS	2LT 2FT TB LED W/2000L DUAL SWITCH DRIVER	(2) 3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	67	23	2840	2840.4	MTG	0.72	0.48	2284	1500
LIVINGSTON	CLERMONT MTO TYPE L20	2	1X128LTSHPEN	EXISTING 12FT 6 LAMP T5HO PEN FIXTURE	4	304FT5THO1000LLIN12FT	3LT 4FT T5HO W/1000L DRIVER LINEAR 12FT	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T5HO LAMP TANDEM 12	90%	300	81	2840	2840.4	MTG	0.54	0.25	1704	784
LIVINGSTON	CLERMONT MTO TYPE	20	INC100CM	100W INCANDESCENT CEILING MOUNT	20	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	100	13	2840	2840.4	MTG	1.50	1.57	5681	4942
LIVINGSTON	CLERMONT MTO ROOM DIMMERS	4	SWITCH	EXISTING TOGGLE SWITCH	4	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	90%	0	0	2840	2840.4	MTG	0.00	0.00	0	0
LIVINGSTON	EMERGENCY TYPE F STAIRS	2	1X42LT8	1X4 2L TB FIXTURE ELECTRONIC	2	204F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	5760	5760	EM	0.12	0.08	1016	683
LIVINGSTON	EMERGENCY LGT TYPE G STAIRS	6	1X42LT8	1X4 2L TB FIXTURE ELECTRONIC	6	204F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	5760	5760	EM	0.42	0.28	1979	1264
LIVINGSTON	STORAGE TYPE B	4	2X42LT8	2X4 2L TB FIXTURE	4	204F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	90%	58	19	2700	2700	STO	0.21	0.14	626	421
LIVINGSTON	STORAGE TYPE C	10	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	10	304F1360LDS	3LT 4FT TB LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	88	30	2700	2700	STO	0.79	0.52	2376	1666
LIVINGSTON	100W METAL HALIDE CEILING MOUNT	28	MH175WP	100W METAL HALIDE WALL PACK	28	LED20HWRECKIT10	30 WATT LED CONVERSION KIT FOR REC OR CM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	125	30	4380	4380	EXT	0.36	0.27	15330	11651
LIVINGSTON	EXTERIOR TYPE X	12	MH175WP	175W METAL HALIDE WALL PACK	12	NEWLED40GARTOC	40 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	100%	213	40	4380	4380	EXT	0.26	0.21	11195	9039
LIVINGSTON	EXTERIOR TYPE R CANOPY	9	MH175WP	175W METAL HALIDE RECESSED	9	LED40HWRECKIT10	40 WATT LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	213	40	4380	4380	EXT	0.19	0.16	8396	6820
LIVINGSTON	MECH TYPE K	20	1X42LT8	1X4 2L TB FIXTURE ELECTRONIC	20	204F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	90%	58	19	5050	5050	MCH	1.04	0.70	4698	3129
LIVINGSTON	NO EXISTING P.E. CONTROL	12	NOPE	NO EXISTING P.E. CONTROL	12	NOPE	ADD PE CONTROL FOR EACH FIXTURE IF APPLICABLE	ALR 120 OR 277 VOLT PE CONTROL CONTRACTOR VERIFY	0%	0	0	0	0	S	0.00	0.00	0	0
LIVINGSTON	SENSOR VARIOUS	1	NOPE	NO EXISTING P.E. CONTROL	1	PECONTROL	NEW PE CONTROLS FOR EXTERIOR LIGHTS	ALR AT-30 OR TORK 3000 PER SPECIFICATIONS	0%	0	0	0	0	S	0.00	0.00	0	0
LIVINGSTON	VARIOUS BLDGS	6	1X42LT8	1X4 2L TB FIXTURE ELECTRONIC	6	204F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	90%	58	19	2700	2700	STO	0.31	0.21	940	632
LIVINGSTON	VARIOUS BLDGS	12	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	12	304F14800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	88	36	2700	2700	STO	0.95	0.56	2851	1685
LIVINGSTON	VARIOUS ITEMS	12	NOLENS	NO EXISTING LENS OR EXIST STRIP IS BROKEN	12	NEW2X4LENS	NEW 2X4 LENS 125 CUT TO SIZE	ALP .125 2X4 PRISMATIC LENS CUT TO SIZE	0%	0	0	0	0	NO	0.00	0.00	0	0
POYDRAS	HALLS TYPE B	9	2X42LT8	2X4 2L TB FIXTURE	9	204F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	7142	7141.5	H	0.52	0.35	3728	2507
POYDRAS	PRIVATE OFFICE TYPE A	4	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	4	304F14800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	88	36	3013	3013.2	PO	0.19	0.16	1061	627
POYDRAS	MECHANICAL TYPE B	26	2X43LTD8	2X4 3L TB FIXTURE ELECTRONIC	26	304F1360LDS	3LT 4FT TB LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	90%	88	30	4050	4050	MECH	2.06	1.38	6026	6107
POYDRAS	GARAGE/TYPE DD	54	1X42LT8V1	1X4 2L TB VAPOR TIGHT	54	204F24200L	2LT 4FT TB LED W/											

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Proposed System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hour	Post Hour	Hour Code	Monthly kWh Saved	Monthly kWh	Existing kWh	Annual kWh Saved
POYDRAS	HALLS TYPE W	3	F842	8-42W FLUOR FIXTURE	1	LED08HWCUSTKIT	80 WATT LED CONVERSION KIT FOR CUSTOM FIXT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	336	80	7142	7141.5	H	1.01	0.77	7199	5485
POYDRAS	HALLS TYPE W	1	1X42L78T	1X4 2L T8 FIXTURE ELECTRONIC	1	204F2400L	2L 4FT T8 LED W/4000L DRIVER	3LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	7142	7141.5	CO	0.06	0.06	1142	608
POYDRAS	PRIVATE OFFICE TYPE A	58	2X42L78	2X4 3L T8 FIXTURE ELECTRONIC	58	304F14800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	3013	3013.2	PO	4.59	2.71	15379	9088
POYDRAS	OPEN OFFICE TYPE V4	35	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	35	204F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	7430	7430.0	OO	2.03	1.19	15084	8842
POYDRAS	OPEN OFFICE TYPE V8	34	1X42L78PEN	1X8 4L T8 PENDANT FIXTURE	34	404F76400L1NMF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FT FIXTURE	100%	114	52	7430	7430.0	OO	3.88	2.11	28800	15663
POYDRAS	OPEN OFFICE TYPE V12	30	1X126L78PEN	1X12 6L T8 PENDANT FIXTURE	60	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	171	36	7430	7430.0	OO	5.13	2.97	38118	22068
POYDRAS	OPEN OFFICE TYPE V12	29	1X126L78PEN	1X12 6L T8 PENDANT FIXTURE	58	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	171	36	7430	7430.0	OO	4.86	2.87	36847	21333
POYDRAS	LOUNGE/BREAKROOM A	2	2X42L78	2X4 3L T8 FIXTURE ELECTRONIC	2	304F73600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	30	7225	7225.2	LE	0.18	0.12	1272	838
POYDRAS	LOUNGE/BREAKROOM A	2	2X42L78	2X4 3L T8 FIXTURE ELECTRONIC	14	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	58	36	3490	3490.0	PO	0.11	0.06	3490	2098
POYDRAS	MEETING ROOMS TYPE Z.T.U	8	F242	2-42W FLUOR FIXTURE	8	LED20HWCCKIT8T	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40MD OR EQUAL	90%	84	22	2840	2840.4	MFG	0.60	0.45	1909	1409
POYDRAS	COPY ROOM TYPE C	9	2X42L78	2X4 3L T8 FIXTURE ELECTRONIC	9	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3780	3780	COFY	0.71	0.42	2994	1769
POYDRAS	FILE ROOM TYPE C	21	2X42L78	2X4 3L T8 FIXTURE ELECTRONIC	21	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2700	2700	STO	0.66	0.38	4990	2948
POYDRAS	RESTROOMS TYPE B	6	2X42L78	2X4 2L T8 FIXTURE	6	204F2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.31	0.21	1734	1166
POYDRAS	RESTROOMS TYPE Z.T.U	2	F242	2-42W FLUOR FIXTURE	2	LED20HWCCKIT8T	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40MD OR EQUAL	90%	84	22	4983	4982.9	ESR	0.15	0.11	837	616
POYDRAS	RESTROOMS TYPE G	5	1X42L78WM	1X4 2L T8 WALL MOUNT	5	204F2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.26	0.18	1445	972
POYDRAS	COMPUTER ROOM TYPE C	2	2X42L78	2X4 3L T8 FIXTURE ELECTRONIC	6	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	3780	3780	STO	0.53	0.31	4625	2733
POYDRAS	STORAGE TYPE B	2	2X42L78	2X4 2L T8 FIXTURE	2	204F2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2700	2700	STO	0.10	0.07	313	211
POYDRAS	MECHANICAL TYPE H	9	1X84L78	1X8 4L T8 FIXTURE	9	404F76400L1NMF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FT FIXTURE	90%	114	52	4050	4050	MECH	0.92	0.50	4155	2280
POYDRAS	STORAGE TYPE K	7	1X42L78T	1X4 2L T8 VAPOR TIGHT	7	204F2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	2700	2700	STO	0.37	0.25	1096	737
POYDRAS	STAIRS TYPE DD	8	1X42L78V1T	1X4 2L T8 VAPOR TIGHT	8	204F2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	2700	2700	STO	0.46	0.31	4055	2733
POYDRAS	HALLS TYPE Z.T.U	16	F232	2-32 W FLOURESCENT FIXTURE	16	LED15SHWRCCKIT8T	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	100%	72	13	7142	7141.5	H	1.15	0.94	8227	6742
POYDRAS	HALLS TYPE W	3	F842	8-42W FLUOR FIXTURE	3	LED08HWCUSTKIT	80 WATT LED CONVERSION KIT FOR CUSTOM FIXT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	336	80	7142	7141.5	H	1.01	0.77	7199	5485
POYDRAS	HALLS TYPE W	4	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	4	204F2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	7142	7141.5	H	0.23	0.16	1657	1144
POYDRAS	PRIVATE OFFICE TYPE A	21	2X42L78	2X4 3L T8 FIXTURE ELECTRONIC	81	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	3490	3490.0	PO	0.11	0.06	3490	2098
POYDRAS	PRIVATE OFFICE Z.T.U	3	F232	2-32 W FLOURESCENT FIXTURE	3	LED15SHWRCCKIT8T	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	3013	3013.2	PO	0.19	0.16	651	533
POYDRAS	OPEN OFFICE TYPE V4	33	1X42L78PEN	1X4 2L T8 PENDANT FIXTURE ELECTRONIC	33	204F3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	7430	7430.0	OO	1.91	1.12	14222	8337
POYDRAS	OPEN OFFICE TYPE V8	25	1X84L78PEN	1X8 4L T8 PENDANT FIXTURE	25	404F76400L1NMF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FT FIXTURE	100%	114	52	7430	7430.0	OO	2.85	1.55	21177	11517
POYDRAS	OPEN OFFICE TYPE V12	11	1X126L78PEN	1X12 6L T8 PENDANT FIXTURE	22	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	171	36	7430	7430.0	OO	1.88	1.09	13977	8092
POYDRAS	OPEN OFFICE TYPE V12	10	1X126L78PEN	1X12 6L T8 PENDANT FIXTURE	20	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	171	36	7430	7430.0	OO	1.79	1.09	12706	7356
POYDRAS	LOUNGE/BREAKROOM A	2	2X42L78	2X4 3L T8 FIXTURE ELECTRONIC	2	304F73600L	3LT 4FT T8 LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	30	7225	7225.2	LE	0.18	0.12	1272	838
POYDRAS	KITCHEN DINING TYPE D	6	2X42L78	2X4 3L T8 FIXTURE ELECTRONIC	6	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4050	4050	KIT	0.61	0.29	4138	1284
POYDRAS	KITCHEN DINING TYPE Z.TU	2	F242	2-42W FLUOR FIXTURE	12	LED20HWCCKIT8T	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40MD OR EQUAL	90%	84	22	4050	4050	KIT	0.67	0.67	4082	3013
POYDRAS	MEETING ROOMS TYPE A	4	2X42L78	2X4 3L T8 FIXTURE ELECTRONIC	4	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	2840	2840.4	MFG	0.32	0.19	1000	591
POYDRAS	MEETING ROOMS TYPE Z.T.U	7	F242	2-42W FLUOR FIXTURE	7	LED20HWCCKIT8T	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40MD OR EQUAL	90%	84	22	2840	2840.4	MFG	0.41	0.24	1234	723
POYDRAS	COPY ROOM TYPE C	6	2X42L78	2X4 3L T8 FIXTURE ELECTRONIC	6	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3780	3780	COFY	0.48	0.28	1996	1179
POYDRAS	LIBRARY TYPE A	10	2X42L78	2X4 3L T8 FIXTURE ELECTRONIC	10	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	5400	5400	LIB	0.79	0.47	4752	2806
POYDRAS	LIBRARY TYPE Z.TU	10	F232	2-32 W FLOURESCENT FIXTURE	10	LED15SHWRCCKIT8T	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	72	13	5400	5400	LIB	0.65	0.53	3888	3186
POYDRAS	RESTROOMS TYPE B	6	2X42L78	2X4 2L T8 FIXTURE	6	204F2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.31	0.21	1734	1166
POYDRAS	RESTROOMS TYPE Z.T.U	2	F242	2-42W FLUOR FIXTURE	2	LED20HWCCKIT8T	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40MD OR EQUAL	90%	84	22	4983	4982.9	ESR	0.15	0.11	837	616
POYDRAS	RESTROOMS TYPE G	6	1X42L78WM	1X4 2L T8 WALL MOUNT	6	204F2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4983	4982.9	ESR	0.21	0.14	1374	1166
POYDRAS	MECHANICAL TYPE L	2	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	2	204F2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	0.10	0.07	470	316
POYDRAS	MECHANICAL TYPE H	8	1X84L78	1X8 4L T8 FIXTURE	8	404F76400L1NMF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FT FIXTURE	90%	114	52	4050	4050	MECH	0.62	0.45	3894	2209
POYDRAS	STORAGE TYPE K	4	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	4	204F2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2700	2700	STO	0.21	0.14	626	421
POYDRAS	MECHANICAL TYPE L	10	1X42L78T	1X4 2L T8 VAPOR TIGHT	8	204F2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	2700	2700	STO	0.46	0.31	4055	2733
POYDRAS	MECHANICAL TYPE L	10	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	10	204F2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4050	4050	MECH	0.52	0.35	2349	1580
POYDRAS	MECHANICAL TYPE L	12	1X84L78	1X8 4L T8 FIXTURE	12	404F76400L1NMF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDEM 8 FT FIXTURE	90%	114	52	4050	4050	MECH	0.67	0.47	3917	2301
POYDRAS	STAIRS/MECH TYPE DD	4	1X42L78V1T	1X4 2L T8 VAPOR TIGHT	4	204F2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	2700	2700	STO	0.23	0.16	2032	1367
POYDRAS	EXTERIOR	8	MH100CM	100W METAL HALIDE CEILING MOUNT	8	LED35HWCCKIT10	35 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 35 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	10%	125	35	4380	4380	EXT	0.10	0.07	4380	3154
POYDRAS	EXTERIOR	8	MH250CM	250W METAL HALIDE CEILING MOUNT	8	NEWLED80CM	80 WATT LED SMALL CEILING MOUNT	NEW 80 WATT LED SMALL CEILING MOUNT	10%	275	60	4380	4380	EXT	0.22	0.17	9636	7834
POYDRAS	EXTERIOR WALK PARK N.O. Q1	26	MH175WP	175W METAL HALIDE WALL PACK	26	NEWLED50CM	50 WATT LED SMALL WALL PACK	NEW 40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.63	0.40	2456	1770
POYDRAS	SENSOR VARIOUS	6	NOPE	NO EXISTING P.E. CONTROL	6	PEFIXT	ADD PE CONTROL TO EACH FIXTURE IF APPLICABLE	ALR 120 OR 277 VOLT PHOTO CONTROL CONTRACTOR VERIFY.	0%	0	0	0	0	S	0.00	0.00	0	0
POYDRAS	SENSOR VARIOUS	4	SWITCH	EXISTING TOGGLE SWITCH	4	PECONTROL	NEW PE CONTROLS FOR EXTERIOR LIGHTS	ALR AT-30 OR TONK 3000 PER SPECIFICATIONS	0%	0	0	0	0	S	0.00	0.00	0	0
POYDRAS	SENSOR VARIOUS	12	SWITCH															

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Burn Hours	Post Burn Hours	Pre Burn Hours	Post Burn Hours	Hour Group	Monthly kWh Saved	Monthly kWh Saved	Existing kWh	Annual kWh Saved
INFOSERVICES	HALLS	16	2X4L218PARA	2X4 2L TB FIXTURE PARABOLIC	16	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	7142	7141.5	H	0.93	0.62	6627	4466
INFOSERVICES	HALLS	19	2X4L218PARA	2X4 2L TB FIXTURE PARABOLIC	19	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	7142	7141.5	H	0.77	0.70	7456	5213
INFOSERVICES	HALLS	12	F232	2-32 W FLOURESCENT FIXTURE	12	LED20HWRCCKIT6*	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-DM OR EQUAL	100%	72	22	7142	7141.5	H	0.86	0.60	6170	4285
INFOSERVICES	RESTROOMS	14	1X4L2L78	1X4 2L TB FIXTURE ELECTRONIC	14	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	4983	4982.9	ESSR	0.73	0.49	4046	2721
INFOSERVICES	PRIVATE OFFICE	278	2X4L318PARA	2X4 3L TB PARABOLIC	278	3D4F24800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	100%	88	36	7430	7430.4	OC	2.48	14.46	181777	107414
INFOSERVICES	PRIVATE OFFICE	134	2X4L318PARA	2X4 3L TB PARABOLIC	134	3D4F24800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	100%	88	36	7430	7430.4	OC	2.48	14.46	181777	107414
INFOSERVICES	TRACK	12	INC90CM	90W INCANDESCENT CEILING MOUNT	12	LED12W9PAR	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE	100%	90	12	7142	7141.5	H	1.06	0.94	7713	6684
INFOSERVICES	TRACK	1	DIMMER	EXIST. DIMMER ON INCANDESCENT	1	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	100%	0	0	7142	7141.5	H	0.00	0.00	0	0
INFOSERVICES	MECH	16	1X4L218VAP	1X4 2L TB VAPOR TIGHT	16	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	4050	4050	MECH	0.84	0.56	3738	2527
INFOSERVICES	EXTRNORTH	12	1X4L218VAP	1X4 2L TB VAPOR TIGHT	12	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	4050	4050	MECH	0.84	0.56	3738	2527
INFOSERVICES	STAIRS	24	1X4L218WMT	1X4 2L TB WALL MOUNT	24	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	8760	8760	EM	1.39	0.94	12194	8199
INFOSERVICES	HALLS	20	2X4L218PARA	2X4 2L TB FIXTURE PARABOLIC	20	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	7142	7141.5	H	1.16	0.78	8284	5570
INFOSERVICES	HALLS	20	2X4L218PARA	2X4 2L TB FIXTURE PARABOLIC	20	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	7142	7141.5	H	1.16	0.78	8284	5570
INFOSERVICES	HALLS	12	F232	2-32 W FLOURESCENT FIXTURE	12	LED20HWRCCKIT6*	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-DM OR EQUAL	100%	72	22	7142	7141.5	H	0.86	0.60	6170	4285
INFOSERVICES	RESTROOMS	14	1X4L2L78	1X4 2L TB FIXTURE ELECTRONIC	14	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	4983	4982.9	ESSR	0.73	0.49	4046	2721
INFOSERVICES	SENSOR VARIOUS	6	NOPE	NO EXISTING P.E. CONTROL	6	PERFIXT	ADD PE CONTROL TO EACH FIXTURE IF APPLICABLE	ALR 120 OR 277 VOLT PHOTO CONTROL, CONTRACTOR VERIFY.	0%	0	0	0	0	S	0.00	0.00	0	0
INFOSERVICES	EXTERIOR VARIOUS	4	HPS150WP	150W HIGH PRESSURE SODIUM WALL PACK	4	NEWLED40WP	40 WATT LED SMALL WALL PACK	40 WATT LED SMALL WALL PACK	10%	190	40	4380	4380	EXT	0.08	0.06	3329	2628
INFOSERVICES	EXTERIOR VARIOUS	4	MH175WP	175W METAL HALIDE WALL PACK	4	NEWLED40WP	40 WATT LED SMALL WALL PACK	40 WATT LED SMALL WALL PACK	10%	213	40	4380	4380	EXT	0.09	0.07	3732	3031
INFOSERVICES	EXTERIOR VARIOUS	4	MH400SB	400W METAL HALIDE SHOE BOX	4	NEWLED150SBB	NEW 150 WATT LED POLE MOUNT SHOE BOX-BASIC	NEW 150 WATT LED POLE MOUNT SHOE BOX-FIXTURE, VERIFY VOLTAGE AND PE	10%	450	130	4380	4380	EXT	0.18	0.12	7884	5286
INFOSERVICES	EXTERIOR VARIOUS	4	MH175WP	175W METAL HALIDE WALL PACK	4	LED50HWSURKIT	50 WATT LED HARDWARE CONVERSION KIT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	10%	213	50	4380	4380	EXT	0.09	0.07	3732	2886
INFOSERVICES	EXTERIOR VARIOUS	4	MH175REC	175W METAL HALIDE RECESSED	4	LED30HWCSUKIT	30 WATT LED CONVERSION KIT CUSTOM FIT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	10%	213	30	4380	4380	EXT	0.09	0.07	3732	3206
INFOSERVICES	VARIOUS	6	1X4L218VAP	1X4 2L TB VAPOR TIGHT	6	2D4F24200L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	19	2700	2700	STO	0.31	0.21	940	632
INFOSERVICES	VARIOUS	12	2X4L318PARA	2X4 3L TB PARABOLIC	12	3D4F24800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED TB LAMP	100%	88	36	2700	2700	STO	0.95	0.56	2851	1685
EXTRNORTH	EXTERIOR TYPE A TALL POLES	25	MH1000SB	1000W SHOE BOX HIGH BAY	25	NEWLED250SBOC	NEW 250 WATT LED POLE MT SB FIXT, W/OCC SENSOR	DECO D826-240-50-LV-LP-T4-RPM-BZ-MS	10%	1100	157	4380	4380	EXT	2.75	3.26	120450	103259
EXTRNORTH	EXTERIOR TYPE A TWIN	10	MH1000SB	1000W SHOE BOX HIGH BAY	10	NEWLED250SBOC	NEW 250 WATT LED POLE MT SB FIXT, W/OCC SENSOR	DECO D826-240-50-LV-LP-T4-RPM-BZ-MS	10%	1100	157	4380	4380	EXT	1.10	0.94	48180	41039
EXTRNORTH	EXTERIOR TYPE C	2	MH400SB	400W METAL HALIDE SHOE BOX	2	NEWLED150SBOC	NEW 150 WATT LED POLE MT SB PREMIUM W/OCC SENSOR	DECO D824-150-50-.....	10%	450	130	4380	4380	EXT	0.09	0.07	3942	3119
EXTRNORTH	EXTERIOR TYPE S	16	MH150ACORN	150W METAL HALIDE ACORN GLOBE	16	MH150ACORN	150 WATT LED BULB-SPECIFY STYLE	65 WATT LED BULB - SPECIFY STYLE	10%	175	65	4380	4380	EXT	0.28	0.18	12264	779
EXTRNORTH	EXTERIOR TYPE C2 DOUBLE POLE	30	MH150ACORN	150W METAL HALIDE ACORN GLOBE	30	LED65WBULBPOSTOP	65 WATT LED BULB-SPECIFY STYLE	65 WATT LED BULB - SPECIFY STYLE	10%	175	65	4380	4380	EXT	0.53	0.33	22995	14454
EXTRNORTH	EXTERIOR TYPE E FLAG POLES	6	MH100FL	100W METAL HALIDE FLOOD	6	NEWLED30FL	30 WATT LED SMALL FLOOD	NEW 30 WATT LED SMALL FLOOD	10%	125	30	4380	4380	EXT	0.08	0.06	3285	2497
EXTRNORTH	EXTERIOR TYPE FLB BOLLARD	24	MH100PMP	100W METAL HALIDE POLE MOUNT	24	LED40HWCSUBOLKIT	40 WATT LED CONVERSION KIT CUSTOM BOLLARD	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	10%	125	40	4380	4380	EXT	0.30	0.20	13140	8935
EXTRNORTH	EXTERIOR TYPE FL2 BOLLARD	8	F202	20 WATT FLOURESC FIXTURE	8	LED20HWRCCKIT6*	20 WATT LED CONVERSION KIT CUSTOM BOLLARD	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	10%	125	20	4380	4380	EXT	0.08	0.05	2928	2168
EXTRNORTH	SENSOR VARIOUS	8	NOPE	NO EXISTING P.E. CONTROL	8	PECONTROL	NEW PE CONTROLS FOR EXTERIOR LIGHTS	ALR AT-30 OR TORX 3000 PER SPECIFICATIONS	0%	0	0	0	0	NO	0.00	0.00	0	0
ALEX	HALL/COMMON TYPE B	42	2X4L2L78	2X4 2L TB FIXTURE	42	2D4F23200L	2LT 4FT TB LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	24	4232	4232	H	2.19	1.29	10309	6043
ALEX	HALL/COMMON TYPE G	12	INC75REC	75W INCANDESCENT RECESSED CAN	12	LED10HWRCCKIT6*	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 605 830 WHX6T6 OR EQUAL	100%	67	10	4232	4232	H	0.95	0.58	4469	2641
ALEX	HALL/COMMON TYPE B - EM	8	2X4L2L78	2X4 2L TB FIXTURE	8	2D4F23200L	2LT 4FT TB LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	24	4232	4232	H	0.72	0.62	3403	2095
ALEX	PRIVATE OFFICE TYPE A	80	2X4L4L78	2X4 4L TB FIXTURE	80	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	1786	1786.6	EM	0.41	0.27	3252	1946
ALEX	PRIVATE OFFICE TYPE B	24	2X4L2L78	2X4 2L TB FIXTURE	24	2D4F23200L	2LT 4FT TB LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	24	1786	1786.6	EM	0.82	0.61	16285	1142
ALEX	PRIVATE OFFICE TYPE C	40	2X4L2L78	2X4 2L TB FIXTURE	40	2D4F23200L	2LT 4FT TB LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	24	1786	1786.6	EM	0.74	0.51	2138	1214
ALEX	PRIVATE OFFICE TYPE D	40	2X4L2L78	2X4 2L TB FIXTURE	40	2D4F23200L	2LT 4FT TB LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED TB LAMP	100%	58	24	1786	1786.6	EM	0.74	0.51	2138	1214
ALEX	PRIVATE OFFICE TYPE E	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	1786	1786.6	OC	3.17	1.87	6285	3714
ALEX	PRIVATE OFFICE TYPE F	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	4043	4403.2	OC	8.52	5.83	41663	28506
ALEX	PRIVATE OFFICE TYPE G	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	4043	4403.2	OC	8.52	5.83	41663	28506
ALEX	PRIVATE OFFICE TYPE H	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	4043	4403.2	OC	8.52	5.83	41663	28506
ALEX	PRIVATE OFFICE TYPE I	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	4043	4403.2	OC	8.52	5.83	41663	28506
ALEX	PRIVATE OFFICE TYPE J	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	4043	4403.2	OC	8.52	5.83	41663	28506
ALEX	PRIVATE OFFICE TYPE K	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	4043	4403.2	OC	8.52	5.83	41663	28506
ALEX	PRIVATE OFFICE TYPE L	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	4043	4403.2	OC	8.52	5.83	41663	28506
ALEX	PRIVATE OFFICE TYPE M	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	4043	4403.2	OC	8.52	5.83	41663	28506
ALEX	PRIVATE OFFICE TYPE N	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	4043	4403.2	OC	8.52	5.83	41663	28506
ALEX	PRIVATE OFFICE TYPE O	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	4043	4403.2	OC	8.52	5.83	41663	28506
ALEX	PRIVATE OFFICE TYPE P	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	4043	4403.2	OC	8.52	5.83	41663	28506
ALEX	PRIVATE OFFICE TYPE Q	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	4043	4403.2	OC	8.52	5.83	41663	28506
ALEX	PRIVATE OFFICE TYPE R	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-4FT TYPE C LED TB LAMP	100%	114	36	4043	4403.2	OC	8.52	5.83	41663	28506
ALEX	PRIVATE OFFICE TYPE S	83	2X4L2L78	2X4 2L TB FIXTURE	83	4D4F24800L	4LT 4FT TB LED W/4800L DRIVER	4LT										

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Hours	Post Hours	Pre Post Hours	Hour Group Code	Monthly kWh Saved	Monthly kWh Saved	Existing kWh	Annual kWh	
BRANDYWINE	HALLS/LOBBYS TYPE A	20	2X44L78	2X4 4L T8 FIXTURE	20	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	4102	4102/2	H	2.05	1.40	9353	6399
BRANDYWINE	HALLS/LOBBYS TYPE A2	6	2X44L78	2X4 4L T8 FIXTURE	6	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	36	12	4102	4102/2	H	0.62	0.43	2884	4920
BRANDYWINE	HALLS/LOBBYS TYPE B	6	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	6	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	19	4102	4102/2	H	0.31	0.21	1428	960
BRANDYWINE	HALLS/LOBBYS TYPE C	15	FL523	32W FLOOR ADAPTER	15	LED10HWRECKIT16	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 605 830 WHX6T6 OR EQUAL	90%	32	10	4102	4102/2	H	0.43	0.30	1969	1354
BRANDYWINE	ATRIUM LOBBY	12	MHT75REC	175W METAL HALIDE RECESSED	12	LED30HWRECKIT10	30 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-30-40-MD OR EQUAL	10%	213	35	4380	4380	EXT	0.26	0.21	11195	936
BRANDYWINE	EXISTING TOGGLE SWITCH	2		EXISTING TOGGLE SWITCH	2	DAYSENSORWIRELESS	DAYLIGHT SENSOR FOR WIRELESS	WATT STOPPER LS-100XA OR BS_1 OR 2 B250 CONTROL WIRING	10%	0	0	3942	3942	EXT	0.00	0.00	0	0
BRANDYWINE	HALLS/LOBBYS TYPE F	3	2X24L78	2X2 2L T8 ELECTRONIC	3	2D4FT2400L	2LT 2FT T8 LED 2200L W/2400L DRIVER	2LT 2200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	19	4102	4102/2	H	0.16	0.11	714	436
BRANDYWINE	PRIVATE OFFICE TYPE A	142	2X44L78	2X4 4L T8 FIXTURE	142	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	1800	1800	PO	14.57	9.97	29138	19937
BRANDYWINE	PRIVATE OFFICE TYPE F	3	2X24L78	2X2 2L T8 ELECTRONIC	3	2D4FTK12900L	2LT 2FT T8 LED 2800L W/2400L DRIVER	2LT 2800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	23	1800	1800	PO	0.16	0.09	313	183
BRANDYWINE	PRIVATE OFFICE TYPE D	3	1X4 2L T8	1X4 2L T8 FIXTURE ELECTRONIC	3	2D4FT2400L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	1800	1800	PO	0.11	0.07	313	183
BRANDYWINE	OPEN OFFICE TYPE A	48	2X44L78	2X4 4L T8 FIXTURE	48	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	2700	2700	CO	4.92	3.37	14774	10109
BRANDYWINE	OPEN OFFICE TYPE A	8	2X44L78	2X4 4L T8 FIXTURE	8	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	100%	114	36	7884	7884	EM	0.91	0.62	7190	4920
BRANDYWINE	MTG ROOMS TYPE A	12	2X44L78	2X4 4L T8 FIXTURE	12	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	1894	1893.8	MTG	1.23	0.84	2590	1772
BRANDYWINE	MTG ROOMS TYPE C	4	INC90CM	90W INCANDESCENT CEILING MOUNT	4	LED15HWRECKIT16	15 WATT LED REC OR BOX MT TRIM KIT	HALO SLD 605 930 WHX6T6	90%	90	13	1894	1893.8	MTG	0.32	0.28	682	583
BRANDYWINE	RESTROOMS TYPE A	6	2X44L78	2X4 4L T8 FIXTURE	6	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	2938	2937.6	ESRR	0.62	0.42	2009	1375
BRANDYWINE	RESTROOMS TYPE C	2	FLE27	27W FLOOR ADAPTER	2	LED10WBULB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	90%	27	10	2938	2937.6	ESRR	0.05	0.03	159	100
BRANDYWINE	SENSOR VARIOUS	4	DMIMER	EXIST. DIMMER ON INCANDESCENT	4	DMIMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	100%	0	0	0	0	S	0.00	0.00	0	0
BRANDYWINE	LOUNGE/BREAKROOM TYPE A	6	1X42LWR	1X4 2L T12 WRAP	6	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	70	19	1800	1800	STO	0.38	0.28	756	551
BRANDYWINE	STAIRS EM TYPE G	6	2X44L78	2X4 4L T8 FIXTURE	6	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	100%	114	36	7884	7884	EM	0.68	0.47	5393	3690
BRANDYWINE	STAIRS EM TYPE M	4	1X42LWR	1X4 2L T12 WRAP	4	2D4FT2400L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	100%	70	19	7884	7884	EM	0.28	0.20	2208	1608
BRANDYWINE	SENSOR VARIOUS	4	DMIMER	EXIST. DIMMER ON INCANDESCENT	4	DMIMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	100%	0	0	0	0	S	0.00	0.00	0	0
BRANDYWINE	HALLS/LOBBYS TYPE A	23	2X44L78	2X4 4L T8 FIXTURE	23	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	4102	4102/2	H	1.38	1.51	10756	7359
BRANDYWINE	HALLS/LOBBYS TYPE A2	6	2X44L78	2X4 4L T12 LAY IN	6	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	100%	140	36	7884	7884	EM	0.84	0.62	6623	4920
BRANDYWINE	HALLS/LOBBYS TYPE B	6	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	6	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	19	4102	4102/2	H	0.31	0.21	1428	960
BRANDYWINE	HALLS/LOBBYS TYPE C	13	FLE32	32W FLOOR ADAPTER	13	LED10HWRECKIT16	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 605 830 WHX6T6 OR EQUAL	90%	32	10	4102	4102/2	H	0.47	0.34	1943	1343
BRANDYWINE	PRIVATE OFFICE TYPE A	122	2X44L78	2X4 4L T8 FIXTURE	122	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	1800	1800	PO	15.52	8.56	25034	17129
BRANDYWINE	OPEN OFFICE TYPE A	52	2X44L78	2X4 4L T8 FIXTURE	52	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	2700	2700	CO	5.94	3.65	16006	10951
BRANDYWINE	OPEN OFFICE TYPE A	8	2X44L78	2X4 4L T8 FIXTURE	8	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	100%	114	36	7884	7884	EM	0.91	0.62	7190	4920
BRANDYWINE	MTG ROOMS TYPE A	12	2X44L78	2X4 4L T8 FIXTURE	12	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	1894	1893.8	MTG	1.23	0.84	2590	1772
BRANDYWINE	MTG ROOMS TYPE C	4	INC90CM	90W INCANDESCENT CEILING MOUNT	4	LED15HWRECKIT16	15 WATT LED REC OR BOX MT TRIM KIT	HALO SLD 605 930 WHX6T6	90%	90	13	1894	1893.8	MTG	0.32	0.28	682	583
BRANDYWINE	RESTROOMS TYPE A	6	2X44L78	2X4 4L T8 FIXTURE	6	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	2938	2937.6	ESRR	0.62	0.42	2009	1375
BRANDYWINE	RESTROOMS TYPE C	2	FLE27	27W FLOOR ADAPTER	2	LED10WBULB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	90%	27	10	2938	2937.6	ESRR	0.05	0.03	159	100
BRANDYWINE	RESTROOMS TYPE E	12	1X22L78	1X2 2L T8 FIXTURE	12	2D4FT1600L	2LT 2FT T8 LED 1600L DRIVER	2LT 1600 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	4817	4816.8	ESRR	0.16	0.12	999	388
BRANDYWINE	LOUNGE/BREAKROOM TYPE A	4	2X44L78	2X4 4L T8 FIXTURE	4	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	4817	4816.8	ESRR	0.41	0.28	2196	1503
BRANDYWINE	STAIRS EM TYPE M	8	1X42LWR	1X4 2L T12 WRAP	8	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	70	19	1800	1800	STO	0.50	0.37	1008	734
BRANDYWINE	STAIRS EM TYPE G	6	2X44L78	2X4 4L T8 FIXTURE	6	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	100%	114	36	7884	7884	EM	0.68	0.47	5393	3690
BRANDYWINE	STAIRS EM TYPE M	4	1X42LWR	1X4 2L T12 WRAP	4	2D4FT2400L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	100%	70	19	7884	7884	EM	0.28	0.20	2208	1608
BRANDYWINE	SENSOR VARIOUS	9	MHT75FL	175W METAL HALIDE FLOOD	9	NEWLED50FL	50 WATT LED FLOOD	NEW 50 WATT LED FLOOD	100%	213	50	7884	7884	EM	1.92	1.47	15114	11566
BRANDYWINE	EXTERIOR MH WALL PACK	3	MHT75WP	175W METAL HALIDE WALL PACK	3	NEWLED50WP	50 WATT LED SMALL WALL PACK	NEW 50 WATT LED SMALL WALL PACK	100%	213	50	4380	4380	EXT	0.06	0.05	2799	2142
BRANDYWINE	SENSOR VARIOUS	2	DMIMER	EXIST. DIMMER ON INCANDESCENT	2	DMIMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	100%	0	0	0	0	S	0.00	0.00	0	0
BRANDYWINE	HALLS/LOBBYS TYPE A	18	2X44L78	2X4 4L T8 FIXTURE	18	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	4102	4102/2	H	0.87	0.62	8418	5740
BRANDYWINE	HALLS/LOBBYS TYPE A2	7	2X44L78	2X4 4L T12 LAY IN	7	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	100%	140	36	7884	7884	EM	0.98	0.73	7726	5740
BRANDYWINE	HALLS/LOBBYS TYPE B	6	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	6	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	19	4102	4102/2	H	0.31	0.21	1428	960
BRANDYWINE	HALLS/LOBBYS TYPE C	13	FLE32	32W FLOOR ADAPTER	13	LED10HWRECKIT16	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 605 830 WHX6T6 OR EQUAL	90%	32	10	4102	4102/2	H	0.47	0.34	1943	1343
BRANDYWINE	PRIVATE OFFICE TYPE A	78	2X44L78	2X4 4L T8 FIXTURE	78	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	1800	1800	PO	8.00	5.48	16006	10951
BRANDYWINE	OPEN OFFICE TYPE A	78	2X44L78	2X4 4L T8 FIXTURE	78	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	2700	2700	CO	8.00	5.48	24008	16427
BRANDYWINE	OPEN OFFICE TYPE A	12	2X44L78	2X4 4L T8 FIXTURE	12	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	100%	114	36	7884	7884	EM	1.37	0.94	10785	7379
BRANDYWINE	MTG ROOMS TYPE A	12	2X44L78	2X4 4L T8 FIXTURE	12	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	1894	1893.8	MTG	1.23	0.84	2590	1772
BRANDYWINE	MTG ROOMS TYPE C	4	INC90CM	90W INCANDESCENT CEILING MOUNT	4	LED15HWRECKIT16	15 WATT LED REC OR BOX MT TRIM KIT	HALO SLD 605 930 WHX6T6	90%	90	13	1894	1893.8	MTG	0.32	0.28	682	583
BRANDYWINE	RESTROOMS TYPE A	6	2X44L78	2X4 4L T8 FIXTURE	6	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	2938	2937.6	ESRR	0.62	0.42	2009	1375
BRANDYWINE	RESTROOMS TYPE C	2	FLE27	27W FLOOR ADAPTER	2	LED10WBULB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	90%	27	10	2938	2937.6	ESRR	0.05	0.03	159	100
BRANDYWINE	RESTROOMS TYPE E	12	1X22L78	1X2 2L T8 FIXTURE	12	2D4FT1600L	2LT 2FT T8 LED 1600L DRIVER	2LT 1600 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	4817	4816.8	ESRR	0.16	0.12	999	388
BRANDYWINE	LOUNGE/BREAKROOM TYPE A	4	2X44L78	2X4 4L T8 FIXTURE	4	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT										

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hour	Post Hour	Hour Group Code	Monthly kWh Saved	Monthly kWh Saved	Existing kWh	Annual kWh Saved
NELSOB	HALL/COMMON TYPE D	7	2X4L78	2X4 3L TB FIXTURE ELECTRONIC	7	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2460	2460	H	0.55	0.33	1515	895
NELSOB	PRIVATE OFFICE TYPE D	15	2X4L78	2X4 3L TB FIXTURE ELECTRONIC	15	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2460	2460	H	0.55	0.33	1515	895
NELSOB	OPEN OFFICE TYPE C	4	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	4	204F73200L	2LT 4FT TB LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2460	2460	OO	0.21	0.12	571	335
NELSOB	OPEN OFFICE TYPE D	102	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	102	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2460	2460	OO	0.8	0.47	22081	13048
NELSOB	RESTROOMS TYPE C	4	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	4	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2460	2460	RR	0.21	0.14	571	334
NELSOB	RESTROOMS TYPE D	4	2X4L78	2X4 3L TB FIXTURE ELECTRONIC	4	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2460	2460	RR	0.21	0.14	571	334
NELSOB	RESTROOMS TYPE J	2	2X2J26T8	2X2 2L TB US ELECTRONIC	2	2D2F7K12200L	2LT 2FT TB LED 2200L W/2000 SOCKET KIT US T8 Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	58	19	2460	2460	RR	0.10	0.07	285	197
NELSOB	LOUNGE/BREAK RM TYPE D	8	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	8	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	1614	1613.8	EXT	0.63	0.37	1136	671
NELSOB	MECHANICAL TYPE B	3	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	3	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	1640	1640	MAINT	0.16	0.11	285	192
NELSOB	STORAGE TYPE B	3	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	3	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	1640	1640	MAINT	0.16	0.11	285	192
NELSOB	STORAGE TYPE C	2	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	2	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	1640	1640	STO	0.10	0.07	190	128
NELSOB	EMERGENCY TYPE C	2	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	2	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	7183	7183.2	EM	0.12	0.08	833	560
NELSOB	EMERGENCY TYPE D	15	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	15	304F73600L	3LT 4FT TB LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	30	7183	7183.2	EM	3.2	2.32	9456	6249
NELSOB	HALL/COMMON TYPE A	16	F218	2-18W FLUOR FIXTURE	16	LED10HWRECKIT*	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 805 830 WHX6T8 OR EQUAL	90%	40	10	2460	2460	H	0.68	0.43	1574	1181
NELSOB	HALL/COMMON TYPE D	32	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	32	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2460	2460	H	1.53	1.00	6927	4093
NELSOB	RESTROOMS TYPE C	8	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	8	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2460	2460	RR	0.42	0.28	1141	768
NELSOB	EMERGENCY TYPE D	12	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	12	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2460	2460	RR	0.96	0.58	2598	1535
NELSOB	RESTROOMS TYPE C	4	2X2J26T8	2X2 2L TB US ELECTRONIC	4	2D2F7K12200L	2LT 2FT TB LED 2200L W/2000 SOCKET KIT US T8 Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	58	19	2460	2460	RR	0.22	0.14	571	334
NELSOB	MECHANICAL TYPE B	4	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	4	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	1640	1640	MAINT	0.21	0.14	380	256
NELSOB	EMERGENCY TYPE C	4	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	4	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	7183	7183.2	EM	0.23	0.16	1667	1121
NELSOB	EMERGENCY TYPE D	64	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	64	304F73600L	3LT 4FT TB LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	30	7183	7183.2	EM	5.63	3.71	40456	26664
NELSOB	HALL/COMMON TYPE A	16	F218	2-18W FLUOR FIXTURE	16	LED10HWRECKIT*	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 805 830 WHX6T8 OR EQUAL	90%	40	10	2460	2460	H	0.11	0.08	295	221
NELSOB	HALL/COMMON TYPE C	15	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	15	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2460	2460	H	0.78	0.53	2140	1439
NELSOB	HALL/COMMON TYPE D	20	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	20	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2460	2460	H	1.58	0.94	4330	2558
NELSOB	PRIVATE OFFICE TYPE D	40	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	40	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2460	2460	EXT	1.17	0.81	4933	2919
NELSOB	OPEN OFFICE TYPE C	10	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	10	204F73200L	2LT 4FT TB LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2460	2460	OO	0.52	0.31	1427	836
NELSOB	OPEN OFFICE TYPE D	280	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	280	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2460	2460	OO	22.18	13.10	60614	35818
NELSOB	OPEN OFFICE TYPE J	3	2X2J26T8	2X2 2L TB US ELECTRONIC	3	2D2F7K12200L	2LT 2FT TB LED 2200L W/2000 SOCKET KIT US T8 Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	58	23	2460	2460	OO	0.16	0.09	428	258
NELSOB	RESTROOMS TYPE C	10	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	10	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2460	2460	RR	0.63	0.37	1137	659
NELSOB	RESTROOMS TYPE D	8	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	8	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2460	2460	RR	0.63	0.37	1137	659
NELSOB	LOUNGE/BREAK RM TYPE D	20	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	20	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	1614	1613.8	EXT	1.68	0.94	2840	1678
NELSOB	MECHANICAL TYPE B	3	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	3	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	1640	1640	MAINT	0.16	0.11	285	192
NELSOB	STORAGE TYPE B	3	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	3	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	1640	1640	MAINT	0.16	0.11	285	192
NELSOB	STORAGE TYPE C	6	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	6	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	1640	1640	STO	0.31	0.21	571	384
NELSOB	EMERGENCY TYPE C	5	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	5	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	7183	7183.2	EM	0.29	0.20	2083	1401
NELSOB	EMERGENCY TYPE D	40	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	40	304F73600L	3LT 4FT TB LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	30	7183	7183.2	EM	3.52	2.32	2528	16665
NELSOB	HALL/COMMON TYPE A	6	F218	2-18W FLUOR FIXTURE	6	LED10HWRECKIT*	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 805 830 WHX6T8 OR EQUAL	90%	40	10	2460	2460	H	0.22	0.16	590	443
NELSOB	HALL/COMMON TYPE C	30	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	30	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2460	2460	H	1.57	1.05	4280	2878
NELSOB	HALL/COMMON TYPE D	40	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	40	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2460	2460	H	3.17	1.87	8659	5117
NELSOB	PRIVATE OFFICE TYPE D	80	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	80	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	1401	1401.4	PO	6.34	3.74	9886	5830
NELSOB	OPEN OFFICE TYPE C	20	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	20	204F73200L	2LT 4FT TB LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2460	2460	OO	4.35	2.61	2947	1763
NELSOB	OPEN OFFICE TYPE D	560	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	560	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2460	2460	OO	44.35	26.21	12129	71635
NELSOB	OPEN OFFICE TYPE J	6	2X2J26T8	2X2 2L TB US ELECTRONIC	6	2D2F7K12200L	2LT 2FT TB LED 2200L W/2000 SOCKET KIT US T8 Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	58	23	2460	2460	OO	0.31	0.19	856	517
NELSOB	RESTROOMS TYPE C	20	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	20	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2460	2460	RR	1.04	0.70	2654	1919
NELSOB	RESTROOMS TYPE D	16	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	16	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2460	2460	RR	0.73	0.46	3444	2047
NELSOB	LOUNGE/BREAK RM TYPE D	40	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	40	304F74800L	3LT 4FT TB LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	1614	1613.8	EXT	3.17	1.87	5680	3357
NELSOB	MECHANICAL TYPE B	6	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	6	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	1640	1640	MAINT	0.31	0.21	571	384
NELSOB	STORAGE TYPE B	4	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	4	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	1640	1640	MAINT	0.31	0.21	571	384
NELSOB	STORAGE TYPE C	12	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	12	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	1640	1640	STO	0.63	0.42	1141	768
NELSOB	EMERGENCY TYPE C	10	1X4L2L8	1X4 2L TB FIXTURE ELECTRONIC	10	204F72400L	2LT 4FT TB LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	19	7183	7183.2	EM	0.68	0.39	1166	2801
NELSOB	EMERGENCY TYPE D	80	2X4L3L8	2X4 3L TB FIXTURE ELECTRONIC	80	304F73600L	3LT 4FT TB LED W/3600L DRIVER	3LT 3600 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	30	7183	7183.2	EM	7.04	4.64	50570	33330
NELSOB	HALL/COMMON TYPE A	16	F218	2-18W FLUOR FIXTURE	16	LED10HWRECKIT*	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 805 830 WHX6T8 OR EQUAL	90%	40	10	2460	2460	H	0.22	0.16	590	443
NELSOB																		

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Burn Hours	Post Burn Hours	Hour Group	Monthly Pre kWh	Monthly Post kWh	Existing kWh	Annual kWh Saved
NELSOB	VARIOUS ITEMS	200	NOLENS	NO EXISTING LENS OR EXIST STING IS BROKEN	200	NEW2X4LENS	NEW 2X4 LENS .125 CUT TO SIZE	NEW 2X4 LENS .125 CUT TO SIZE	ALP .125 2'X4' PRISMATIC LENS CUT TO SIZE	0%	0	0	0	0	NO	0.00	0.00	0	0
NELSOB	VARIOUS ITEMS	12	NOLENS	NO EXISTING LENS OR EXIST STING IS BROKEN	12	NEWWRAPLENS	NEW WRAP LENS CUSTOM	NEW WRAP LENS CUSTOM	ALP CUSTOM WRAP AROUND LENS PER SAMPLE	0%	0	0	0	0	NO	0.00	0.00	0	0
OPHLAB	HALL TYPE GENERIC	85	2X4L3L1	2X4 3L T12 LAV IN	85	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	110	36	6348	6348	H	3.35	6.29	59354	39829
OPHLAB	HALL TYPE C	1	2X4L3L7	2X4 4L T8 FIXTURE	1	404F76400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	100%	114	52	6348	6348	H	0.11	0.06	724	394
OPHLAB	OPEN OFFICE TYPE R	6	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	6	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	6605	6604.8	OO	0.53	0.31	3487	2061
OPHLAB	OPEN OFFICE TYPE R	51	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	51	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	6605	6604.8	OO	4.49	2.65	29642	17516
OPHLAB	PRIVATE TYPE GENERIC	27	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	27	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2678	2678.4	PO	0.42	0.19	382	187
OPHLAB	PRIVATE TYPE GENERIC	8	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	8	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2678	2678.4	PO	1.28	0.64	6384	3760
OPHLAB	FILE RM GENERIC	4	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	4	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	6605	6604.8	OO	0.35	0.21	2325	1374
OPHLAB	FRIDGE/FREEZER GENERIC	8	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	8	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3360	3360	MAIN	0.65	0.37	2365	1398
OPHLAB	LAB TYPE B	29	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	29	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	7818	7818	LAB	1.55	1.51	19952	11790
OPHLAB	LAB TYPE C	13	2X4L3L8	2X4 4L T8 FIXTURE	13	404F76400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	100%	114	52	7818	7818	LAB	1.48	0.81	11586	6301
OPHLAB	LAB TYPE C	5	2X4L3L8	2X4 2L 54W T5 HO FIXTURE	5	2D4FT5H9000L	2LT 4FT T5HO W/9000L DRIVER	2LT 9000 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T5HO LAMP	2LT 9000 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T5HO LAMP	100%	100	72	7818	7818	LAB	0.50	0.14	3909	1095
OPHLAB	LAB TYPE GENERIC	244	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	244	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	7818	7818	LAB	2.47	12.69	167688	99195
OPHLAB	COMPUTER ROOM GENERIC	4	2X4L3L8	1X4 2L T8 VANDAL RESISTANT	4	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	7818	7818	LAB	2.03	1.19	15871	9303
OPHLAB	COMPUTER ROOM GENERIC	4	2X4L3L8	2X4 4L T8 FIXTURE	4	404F76400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	100%	114	52	6605	6604.8	OO	0.46	0.25	3012	1638
OPHLAB	MEETING ROOM TYPE GENERIC	4	2X4L3L8	2X4 4L T8 FIXTURE	4	404F76400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	2525	2524.8	MTG	0.41	0.22	1151	626
OPHLAB	RR TYPE GENERIC	22	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	22	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4709	4708.8	RR	1.74	1.03	9116	5387
OPHLAB	MECHANICAL TYPE PENDANT GENERIC	48	1X4L2L8	1X4 2L T8 FIXTURE ELECTRONIC	48	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3600	3600	MECH	2.51	1.47	10022	5875
OPHLAB	MECHANICAL TYPE SURFACE GENERIC	4	1X4L2L8	1X4 2L T8 FIXTURE ELECTRONIC	4	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3600	3600	MECH	0.21	0.12	835	490
OPHLAB	MECHANICAL TYPE SURFACE GENERIC	6	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	6	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3360	3360	MAIN	0.48	0.28	1774	1048
OPHLAB	MECHANICAL TYPE RECESS GENERIC	20	F226	2-26W FLUOR FIXTURE	20	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	90%	52	13	3360	3360	MAIN	0.94	0.70	3494	2621
OPHLAB	STORAGE TYPE GENERIC	44	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	44	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2400	2400	STO	3.48	2.06	9293	5491
OPHLAB	STORAGE TYPE GENERIC SURFACE	12	1X4L2L8	1X4 2L T8 FIXTURE ELECTRONIC	12	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.63	0.37	1670	979
OPHLAB	STORAGE TYPE GENERIC PENDANT	1	1X4L2L8	1X4 2L T8 FIXTURE ELECTRONIC	1	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.63	0.37	1670	979
OPHLAB	LOUNGE/BREAK ROOM GENERIC	7	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	7	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	6422	6422.4	LB	0.62	0.36	3956	2338
OPHLAB	HALL TYPE A	3	2X4L2L8	2X4 2L T8 FIXTURE	3	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	5348	5348	H	0.17	0.10	1105	647
OPHLAB	HALL TYPE O	3	2X4L2L8	2X4 2L T8 FIXTURE	3	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	0.17	0.10	1524	894
OPHLAB	HALL TYPE D	30	2X2L3L8	2X2 2L T8 FIXTURE	30	302F73300L	3LT 2FT T8 LED W/3000L DRIVER	3LT 3000 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	3LT 3000 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	100%	51	27	6348	6348	H	1.53	0.72	9712	4571
OPHLAB	HALL TYPE F	11	F226	2-26W FLUOR FIXTURE	11	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	100%	52	13	6348	6348	H	0.57	0.43	3631	2723
OPHLAB	HALL TYPE D	3	2X4L3L8	2X2 2L T8 FIXTURE	3	304F74800L	3LT 2FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	100%	114	52	2525	2524.8	MTG	0.15	0.07	1011	676
OPHLAB	OPEN OFFICE TYPE E	3	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	3	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	8760	8760	EM	0.26	0.16	2313	1367
OPHLAB	LAB TYPE B	7	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	7	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	100%	88	36	2525	2524.8	MTG	1.35	0.80	3777	2322
OPHLAB	LAB TYPE B	90	2X4L3L8	2X4 2L 54W T5 HO FIXTURE	90	2D4F73200L	2LT 4FT T5HO W/3000L DRIVER	2LT 9000 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T5HO LAMP	2LT 9000 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T5HO LAMP	100%	100	72	7818	7818	LAB	0.60	0.25	70362	19741
OPHLAB	MEETING ROOM TYPE C	35	1X4L2L8	EXISTING INCANDESCENT CEILING MOUNT	35	LED15HWRECKIT8	15 WATT LED REC OR BOX MT TRIM KIT	15 WATT LED REC OR BOX MT TRIM KIT	CUSTOM 15 WATT LED RECESSED KIT TO CONVERT EXISTING FIXTURES	100%	114	52	6604	6604.8	OO	0.15	0.07	1011	676
OPHLAB	MEETING ROOM TYPE E	17	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	17	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2525	2524.8	MTG	1.35	0.80	3777	2322
OPHLAB	RR TYPE B	4	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	4	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4709	4708.8	RR	0.32	0.19	1657	979
OPHLAB	STORAGE TYPE N	18	1X4L2L8	1X4 2L T8 FIXTURE ELECTRONIC	18	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.94	0.55	2506	1469
OPHLAB	MECHANICAL TYPE B1	2	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	2	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3600	3600	MECH	0.16	0.09	634	374
OPHLAB	MECHANICAL TYPE H	2	1X4L2L8	1X4 2L T8 FIXTURE ELECTRONIC	2	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3600	3600	MECH	0.10	0.06	416	245
OPHLAB	STORAGE TYPE H	6	1X4L2L8	1X4 2L T8 FIXTURE ELECTRONIC	6	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.31	0.18	835	490
OPHLAB	STORAGE TYPE A	2	1X4L3L8	EXISTING LAMP T8 FIXTURE	2	304F74800L	3LT 4FT T5HO W/10000L DRIVER	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T5HO LAMP	3LT 10000 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T5HO LAMP	90%	150	81	2400	2400	STO	0.17	0.12	720	301
OPHLAB	STORAGE TYPE C	3	2X4L2L8	2X4 2L T8 FIXTURE	3	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	2400	2400	STO	0.16	0.09	418	245
OPHLAB	MECHANICAL TYPE B	1	2X4L3L8	2X4 3L T8 FIXTURE ELECTRONIC	1	304F74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3600	3600	MECH	0.08	0.05	317	187
OPHLAB	STAIRS/EM TYPE K	6	1X4L2L8	1X4 2L T8 FIXTURE ELECTRONIC	6	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	0.35	0.20	3048	1787
OPHLAB	HALL TYPE C	19	2X4L3L8	2X4 3L T8 FIXTURE	19	302F73300L	3LT 2FT T8 LED W/3000L DRIVER	3LT 3000 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	3LT 3000 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	0.68	0.34	5091	2978
OPHLAB	HALL TYPE D</																		

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hour	Post Hour	Hourly kWh Saved	Monthly kWh Saved	Monthly Pre kWh	Monthly Post kWh	Annual kWh Saved
2NDKICRT	PRIVATE OFFICE TYPE A1	36	2X4AL78	2X4 4L T8 FIXTURE	36	4D4F74800L	4L 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-F4T TYPE C LED T8 LAMP	90%	114	36	2455	2455	0.00	3.69	2.53	10078	6884
2NDKICRT	PRIVATE OFFICE TYPE A1	36	2X4AL78	2X4 4L T8 FIXTURE	36	4D4F74800L	4L 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-F4T TYPE C LED T8 LAMP	90%	114	36	2455	2455	0.00	3.69	2.53	10078	6884
2NDKICRT	OPEN OFFICE TYPE L2	6	2X22LBIAX	2X2 2-40W BIAx	6	2D2F1K2800L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO 2	2LT 2800 LUMEN DRIVER UNV AND 2-F2T TYPE C LED T8 LAMP	100%	75	23	6054	6054	0.00	0.46	0.32	2761	1925
2NDKICRT	OPEN CLERICAL AREA TYPE A3	12	2X4AL78	2X4 4L T8 FIXTURE	12	4D4F74800L	4L 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-F4T TYPE C LED T8 LAMP	100%	114	36	6054	6054	0.00	0.37	0.94	8282	5667
2NDKICRT	RESTROOM TYPE C1	4	1X42LWM	1X4 2L WALL MOUNT	4	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	90%	70	24	4316	4316	0.00	0.27	0.17	1209	794
2NDKICRT	RESTROOM TYPE C1	4	1X42LWM	1X4 2L WALL MOUNT	4	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	90%	70	24	4316	4316	0.00	0.27	0.17	1209	794
2NDKICRT	STORAGE/MECH TYPE C11	7	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	7	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	90%	58	24	3300	3300	MECH	0.37	0.21	1340	785
2NDKICRT	MEG ROOM TYPE A1	12	2X4AL78	2X4 4L T8 FIXTURE	12	4D4F74800L	4L 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-F4T TYPE C LED T8 LAMP	90%	114	36	2314	2314	MTG	0.23	0.84	3166	2166
2NDKICRT	MTG RMS TYPE C20	14	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	14	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	90%	58	24	2314	2314	MTG	0.73	0.43	1879	1102
2NDKICRT	MTG RMS TYPE C3	16	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	16	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	90%	64	22	3124	3124	MTG	0.41	0.84	4614	4134
2NDKICRT	MTG RMS TYPE T11 TRACK	8	INC75CM	75W INCANDESCENT CEILING MOUNT	8	LED12WPAP	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE	90%	67	12	2314	2314	MTG	0.48	0.40	1241	1018
2NDKICRT	MTG RMS TYPE T11 TRACK	2	SWITCH	EXISTING TOGGLE SWITCH	2	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	90%	0	0	2314	2314	MTG	0.00	0.00	0	0
2NDKICRT	HALLS TYPE A3	4	2X4AL78	2X4 3L T8 FIXTURE ELECTRONIC	4	4D4F74800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-F4T TYPE C LED T8 LAMP	90%	98	36	5819	5819	H	0.32	0.19	2048	1210
2NDKICRT	HALLS TYPE L2	18	2X22LBIAX	2X2 2-40W BIAx	18	2D2F1K2800L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO 2	2LT 2800 LUMEN DRIVER UNV AND 2-F2T TYPE C LED T8 LAMP	100%	75	23	5819	5819	H	0.23	0.86	2960	5551
2NDKICRT	HALLS TYPE H, HI STAIRS	4	F442CUSTOM	4-42W FLUOR FIXTURE	4	LED40HVSURKIT	40 WATT LED CONVERSION KIT FOR REC OR SR	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	68	40	8760	8760	EM	0.67	0.51	5887	4485
2NDKICRT	HALLS TYPE L10 EM	4	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	4	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	0.23	0.14	2032	1191
2NDKICRT	PRIVATE OFFICE TYPE A1	33	2X4AL78	2X4 4L T8 FIXTURE	33	4D4F74800L	4L 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-F4T TYPE C LED T8 LAMP	90%	114	36	2455	2455	MECH	3.39	2.32	9236	6320
2NDKICRT	OPEN OFFICE TYPE A1	80	2X4AL78	2X4 4L T8 FIXTURE	80	4D4F74800L	4L 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-F4T TYPE C LED T8 LAMP	100%	58	36	6054	6054	EM	0.12	6.24	55218	37779
2NDKICRT	OPEN CLERICAL AREA TYPE A3	16	2X4AL78	2X4 4L T8 FIXTURE	16	4D4F74800L	4L 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-F4T TYPE C LED T8 LAMP	100%	114	36	6054	6054	EM	0.82	1.25	11043	7556
2NDKICRT	RESTROOM TYPE C1	5	1X42LWM	1X4 2L WALL MOUNT	5	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	90%	70	24	4316	4316	RR	0.23	0.21	1511	993
2NDKICRT	STORAGE/MECH TYPE C12	14	1X82L78	1X8 2L T8 FIXTURE ELECTRONIC	14	2D4F7800L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	90%	58	24	3300	3300	MECH	0.37	0.21	1540	795
2NDKICRT	COURT TYPE D6	11	INC250	200W INCANDESCENT FIXTURE	11	LED40HVSURKIT	40 WATT LED CONVERSION KIT FOR REC OR SR	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	235	40	2200	2200	CRCT	2.70	1.53	5687	4719
2NDKICRT	COURT TYPE D54	24	MH100CM	100W METAL HALIDE CEILING MOUNT	24	LED30HVSURKIT	30 WATT LED CONVERSION KIT FOR SUR OR CM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	125	30	2200	2200	CRCT	2.70	2.05	6600	5016
2NDKICRT	STORAGE/MECH TYPE C1	1	2X4AL78	2X4 4L T8 FIXTURE ELECTRONIC	1	DIMMERLED	EXISTING DIMMER ON INCANDESCENT	LUTRON OR LEVITON DIMMER AS SPECIFIED	90%	0	0	0	0	0	0.00	0.00	0	0
2NDKICRT	STORAGE/MECH TYPE C1	4	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	4	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	90%	58	24	3300	3300	MECH	0.21	0.12	766	448
2NDKICRT	EXTERIOR TYPE D54	14	MH100CM	100W METAL HALIDE CEILING MOUNT	14	LED30HVSURKIT	30 WATT LED REC OR BOX MT TRM KIT	GE LRX-R8-30-40-4M OR EQUAL	10%	125	35	4380	4380	EXT	0.18	0.13	7665	5519
2NDKICRT	EXTERIOR TYPE QFL	2	INC500W	500W INCANDESCENT FIXTURE	2	NEWLED50FL	50 WATT LED FLOOD	NEW 50 WATT LED FLOOD	10%	105	50	4380	4380	EXT	0.09	0.08	3942	3604
2NDKICRT	EXTERIOR TYPE YF	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED50WP	50 WATT LED SMALL WALL PACK	NEW 50 WATT LED SMALL WALL PACK	10%	114	22	4380	4380	EXT	0.05	0.01	1366	1428
2NDKICRT	EXTERIOR TYPE FL	2	MH100CM	100W METAL HALIDE CEILING MOUNT	2	LED20HVSURKIT	20 WATT LED CONVERSION KIT FOR SUR OR SR	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	10%	125	20	4380	4380	EXT	0.05	0.04	2190	1840
2NDKICRT	EXTERIOR TYPE RS	2	MH100CM	100W METAL HALIDE CEILING MOUNT	2	LED30HVSURKIT	30 WATT LED REC OR BOX MT TRM KIT	GE LRX-R8-30-40-4M OR EQUAL	10%	125	35	4380	4380	EXT	0.03	0.02	1095	788
2NDKICRT	SENSOR VARIOUS	12	DIMMER	EXIST. DIMMER ON INCANDESCENT	12	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	90%	0	0	0	0	0	0.00	0.00	0	0
2NDKICRT	SENSOR VARIOUS	4	NOPE	NO EXISTING P.E. CONTROL	4	NOPE	ADD PE CONTROL IF APPLICABLE	ALR 120 OR 277 VOLT CONTRACTOR VERIFY.	0%	0	0	0	0	0	0.00	0.00	0	0
2NDKICRT	SENSOR VARIOUS	4	NOPE	NO EXISTING P.E. CONTROL	4	PECONTROL	NEW PE CONTROLS FOR EXTERIOR LIGHTS	ALR AT-30 OR TORX 3000 PER SPECIFICATIONS	0%	0	0	0	0	0	0.00	0.00	0	0
2NDKICRT	SENSOR VARIOUS	2	DIMMER	EXIST. DIMMER ON INCANDESCENT	2	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	90%	0	0	0	0	0	0.00	0.00	0	0
SHREVEPORT	HALLS/COMMON TYPE B8	12	1X42L78WR	1X4 2L T8 WRAP	12	2D4F72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	90%	58	19	4558	4558	H	0.83	0.42	3172	2133
SHREVEPORT	HALLS/COMMON TYPE B12	4	1X42LWR	1X4 2L T12 WRAP	4	2D4F72400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	100%	70	19	8760	8760	EM	0.28	0.20	2453	1787
SHREVEPORT	HALLS/COMMON TYPE B12	4	EX17WBFL	2-9W FLUOR EXIT WBATT	4	NEWLEDWB	NEW LED EXIT WBATTERY	SURELIGHTS LPTX-RWH	100%	15	2	8760	8760	EM	0.09	0.08	788	683
SHREVEPORT	PRIVATE OFFICE TYPE A2RM	20	2X4AL78WR	2X4 4L T12 WRAP	20	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	PO	2.52	1.87	9600	4160
SHREVEPORT	PRIVATE OFFICE TYPE A2RM	20	2X4AL78WR	2X4 4L T12 WRAP	20	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	PO	2.52	1.87	9600	4160
SHREVEPORT	PRIVATE OFFICE TYPE A2RM	30	2X4AL78WR	2X4 4L T12 WRAP	30	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	PO	3.78	2.81	8400	6240
SHREVEPORT	OPEN OFFICE TYPE A 8RM	10	2X4AL78WR	2X4 4L T8 WRAP FIXTURE	10	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	OC	1.64	1.12	5472	3744
SHREVEPORT	OPEN OFFICE TYPE A 8RM	10	2X4AL78WR	2X4 4L T8 WRAP FIXTURE	10	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	OC	1.64	1.12	5472	3744
SHREVEPORT	OPEN OFFICE TYPE A 10RM	10	2X4AL78WR	2X4 4L T8 WRAP FIXTURE	10	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	OC	0.70	0.70	3420	2340
SHREVEPORT	OPEN OFFICE TYPE A 10RM	10	2X4AL78WR	2X4 4L T8 WRAP FIXTURE	10	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	OC	1.26	0.94	4200	3120
SHREVEPORT	OPEN OFFICE TYPE A 12RM	6	2X4AL78WR	2X4 4L T8 WRAP FIXTURE	6	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP KIT	90%	140	36	3000	3000	OC	0.76	0.56	2520	1872
SHREVEPORT	OPEN OFFICE TYPE A 12RM	6	2X4AL78WR	2X4 4L T8 WRAP FIXTURE	6	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	OC	0.62	0.43	3024	2004
SHREVEPORT	RESTROOMS TYPE A8	4	2X4AL78WR	2X4 4L T8 WRAP FIXTURE	4	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP KIT	90%	114	36	3264	3264	ESRR	0.41	0.28	1488	1018
SHREVEPORT	RESTROOMS TYPE A12	4	2X4AL78WR	2X4 4L T8 WRAP FIXTURE	4	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP KIT	90%	140	36	3264	3264	ESRR	0.57	0.37	1828	1358
SHREVEPORT	RESTROOMS TYPE B8	8	1X42L78WR	1X4 2L T8 WRAP	8	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	90%	58	24	3264	3264	ESRR	0.42	0.24	1514	888
SHREVEPORT	RESTROOMS TYPE B1	8	1X42L78WR	1X4 2L T12 WRAP	8	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	90%	58	24	3264	3264	ESRR	0.50	0.33	1828	1210
SHREVEPORT	RESTROOMS TYPE S	8	1X42L78WR	1X4 2L WALL MOUNT	8	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	90%	70	24	3264	3264	ESRR	0.53	0.33	1828	1210
SHREVEPORT	FILE STORAGE TYPE A12	22	2X4AL78WR	2X4 4L T12 WRAP	22	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	MAINT	2.77	2.06	6160	4576
SHREVEPORT	MECHANICAL TYPE B BB	18	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	18	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-F4T TYPE C LED T8 LAMP	90%	58	24	2800	2800	MAINT	0.94	0.55	2923	

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hour	Post Hour	Hour Code	Monthly Pre kWh	Monthly Post kWh	Existing kWh Saved	Annual kWh Saved
SHREVEPORT	OPEN OFFICE TYPE A 10RM	25	2X44L18WR	2X4 4L TR WRAP FIXTURE	25	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	2.57	1.76	8650	5850
SHREVEPORT	OPEN OFFICE TYPE A 12RM	25	2X44L18WR	2X4 4L TR WRAP FIXTURE	25	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	2.57	1.76	8650	5850
SHREVEPORT	OPEN OFFICE TYPE A 21RM	11	2X44L18WR	2X4 4L TR WRAP FIXTURE	11	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	1.13	0.77	3762	2574
SHREVEPORT	OPEN OFFICE TYPE A 21RM	11	2X44L18WR	2X4 4L TR WRAP FIXTURE	11	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	1.13	0.77	3762	2574
SHREVEPORT	OPEN OFFICE TYPE A 34RM	34	2X44L18WR	2X4 4L TR WRAP FIXTURE	34	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	4.28	3.18	14280	10008
SHREVEPORT	OPEN OFFICE TYPE A 34RM	34	2X44L18WR	2X4 4L TR WRAP FIXTURE	34	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	4.28	3.18	14280	10008
SHREVEPORT	OPEN OFFICE TYPE A 34RM	12	2X44L18WR	2X4 4L TR WRAP FIXTURE	12	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	1.23	0.84	4104	2804
SHREVEPORT	RESTROOMS TYPE A8	4	2X44L18WR	2X4 4L TR WRAP FIXTURE	4	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3264	3264	ESRR	0.41	0.28	1488	1018
SHREVEPORT	RESTROOMS TYPE A12	4	2X44L18WR	2X4 4L TR WRAP FIXTURE	4	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3264	3264	ESRR	0.50	0.37	1828	1358
SHREVEPORT	RESTROOMS TYPE B12	4	2X44L18WR	2X4 4L TR WRAP FIXTURE	4	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3264	3264	ESRR	0.50	0.37	1828	1358
SHREVEPORT	RESTROOMS TYPE B12	4	2X44L18WR	2X4 4L TR WRAP FIXTURE	4	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3264	3264	ESRR	0.50	0.37	1828	1358
SHREVEPORT	RESTROOMS TYPE S	8	1X42L18M	1X4 2L WALL MOUNT	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	3264	3264	ESRR	0.25	0.17	914	601
SHREVEPORT	RESTROOMS TYPE S	8	1X42L18M	1X4 2L WALL MOUNT	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	3264	3264	ESRR	0.50	0.33	1828	1201
SHREVEPORT	LIBRARY TYPE A8	6	2X44L18WR	2X4 4L TR WRAP FIXTURE	6	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	4000	4000	LIB	0.62	0.42	2736	1872
SHREVEPORT	LIBRARY TYPE A8	6	2X44L18WR	2X4 4L TR WRAP FIXTURE	6	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	4000	4000	LIB	0.62	0.42	2736	1872
SHREVEPORT	FILE STORAGE TYPE A12	2	2X44L18WR	2X4 4L TR WRAP FIXTURE	2	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	2000	2000	STO	1.51	1.12	3360	2496
SHREVEPORT	MECHANICAL TYPE B B8	2	1X42L18	1X4 2L TR FIXTURE ELECTRONIC	2	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2800	2800	MAINT	0.10	0.06	325	190
SHREVEPORT	MECHANICAL TYPE B12	2	1X42L18	1X4 2L TR FIXTURE ELECTRONIC	2	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2800	2800	MAINT	0.13	0.08	392	258
SHREVEPORT	MECHANICAL TYPE B12	1	INC100CM	100W INCANDESCENT CEILING MOUNT	1	LED15WBULB	12-15 WATT LED BULB-SPECIFY STYLE	15 WATT LED BULB - SPECIFY STYLE	90%	100	15	2800	2800	MAINT	0.09	0.08	280	238
SHREVEPORT	MECHANICAL TYPE CFL	1	FL227	27W FLUOR ADAPTER	1	LED10WBULB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	90%	27	10	3000	3000	MECH	0.02	0.02	81	51
SHREVEPORT	STAIRS TYPE B12	6	1X42L18	1X4 2L TR WRAP	6	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	8760	8760	EM	0.42	0.28	3679	2418
SHREVEPORT	STAIRS TYPE B12	6	1X42L18	1X4 2L TR WRAP	6	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	8760	8760	EM	0.42	0.28	3679	2418
SHREVEPORT	STAIRS TYPE B12	6	1X42L18	1X4 2L TR WRAP	6	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	8760	8760	EM	0.42	0.28	3679	2418
SHREVEPORT	STAIRS TYPE B12	6	1X42L18	1X4 2L TR WRAP	6	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	8760	8760	EM	0.42	0.28	3679	2418
SHREVEPORT	STAIRS TYPE B12	6	1X42L18	1X4 2L TR WRAP	6	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	8760	8760	EM	0.42	0.28	3679	2418
SHREVEPORT	LOUNGE/BREAK RM TYPE A12	3	2X44L18WR	2X4 4L TR WRAP FIXTURE	3	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	5352	5352	LB	0.31	0.21	1830	1252
SHREVEPORT	LOUNGE/BREAK RM TYPE A12	3	2X44L18WR	2X4 4L TR WRAP FIXTURE	3	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	5352	5352	LB	0.50	0.37	2297	1726
SHREVEPORT	LOUNGE/BREAK RM TYPE B12	2	1X42L18	1X4 2L TR WRAP	2	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	5352	5352	LB	0.13	0.08	749	492
SHREVEPORT	LOUNGE/BREAK RM TYPE B12	2	1X42L18	1X4 2L TR WRAP	2	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	5352	5352	LB	0.13	0.08	749	492
SHREVEPORT	HALLS/COMMON TYPE X	6	EX1TWBFL	2-9W FLUOR EXIT WBATT	4	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	15	2	8760	8760	EM	0.28	0.20	2453	1787
SHREVEPORT	HALLS/COMMON TYPE X	6	EX1TWBFL	2-9W FLUOR EXIT WBATT	4	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	15	2	8760	8760	EM	0.28	0.20	2453	1787
SHREVEPORT	PRIVATE OFFICE TYPE A 2RM	14	2X44L18WR	2X4 4L TR WRAP FIXTURE	14	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	PO	1.63	1.11	3920	2912
SHREVEPORT	PRIVATE OFFICE TYPE A 2RM	14	2X44L18WR	2X4 4L TR WRAP FIXTURE	14	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	PO	1.76	1.31	3920	2912
SHREVEPORT	PRIVATE OFFICE TYPE A 4RM	64	2X44L18WR	2X4 4L TR WRAP FIXTURE	64	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	PO	6.86	5.99	17920	13312
SHREVEPORT	PRIVATE OFFICE TYPE A 6RM	102	2X44L18WR	2X4 4L TR WRAP FIXTURE	102	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	PO	12.55	9.55	28560	21216
SHREVEPORT	OPEN OFFICE TYPE A 8RM	58	2X44L18WR	2X4 4L TR WRAP FIXTURE	58	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	5.75	3.93	19152	13104
SHREVEPORT	OPEN OFFICE TYPE A 8RM	58	2X44L18WR	2X4 4L TR WRAP FIXTURE	58	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	5.75	3.93	19152	13104
SHREVEPORT	OPEN OFFICE TYPE A 10RM	20	2X44L18WR	2X4 4L TR WRAP FIXTURE	20	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	2.05	1.40	6840	4680
SHREVEPORT	OPEN OFFICE TYPE A 10RM	20	2X44L18WR	2X4 4L TR WRAP FIXTURE	20	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	2.05	1.40	6840	4680
SHREVEPORT	OPEN OFFICE TYPE A 10RM	20	2X44L18WR	2X4 4L TR WRAP FIXTURE	20	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	2.52	1.87	8400	6240
SHREVEPORT	OPEN OFFICE TYPE A 10RM	20	2X44L18WR	2X4 4L TR WRAP FIXTURE	20	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	2.76	1.91	9580	7398
SHREVEPORT	OPEN OFFICE TYPE A 10RM	20	2X44L18WR	2X4 4L TR WRAP FIXTURE	20	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	CO	2.82	1.98	9960	7676
SHREVEPORT	RESTROOMS TYPE A8	4	2X44L18WR	2X4 4L TR WRAP FIXTURE	4	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3264	3264	ESRR	0.41	0.28	1488	1018
SHREVEPORT	RESTROOMS TYPE A12	4	2X44L18WR	2X4 4L TR WRAP FIXTURE	4	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3264	3264	ESRR	0.50	0.37	1828	1358
SHREVEPORT	RESTROOMS TYPE B8	8	1X42L18	1X4 2L TR WRAP	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3264	3264	ESRR	0.42	0.24	1514	888
SHREVEPORT	RESTROOMS TYPE B8	8	1X42L18	1X4 2L TR WRAP	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3264	3264	ESRR	0.42	0.24	1514	888
SHREVEPORT	RESTROOMS TYPE S	8	1X42L18M	1X4 2L WALL MOUNT	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	3264	3264	ESRR	0.50	0.33	1828	1201
SHREVEPORT	LIBRARY TYPE A8	6	2X44L18WR	2X4 4L TR WRAP FIXTURE	6	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	4000	4000	LIB	0.92	0.63	4104	2808
SHREVEPORT	LIBRARY TYPE A12	6	2X44L18WR	2X4 4L TR WRAP FIXTURE	6	2D4FTK14800L	2LT 4FT T8 LED 42L KIT W/4800Q. DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	4000	4000	LIB	0.92	0.63	4104	2808
SHREVEPORT	MECHANICAL TYPE B B8	2	1X42L18	1X4 2L TR FIXTURE ELECTRONIC	2	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2800	2800	MAINT	0.10	0.06	325	190
SHREVEPORT	MECHANICAL TYPE B12	2	1X42L18	1X4 2L TR FIXTURE ELECTRONIC														

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hours	Post Hours	Hour of Day	Monthly kWh Saved	Monthly kWh Saved	Existing kWh	Annual kWh Saved
SHREVEPORT	MECHANICAL TYPE BH12	2	1X42LWR	1X4 2L T12 WRAP	1	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	3000	3000	MECH	0.13	0.08	420	276
SHREVEPORT	MECHANICAL TYPE BH12	1	INC100CM	100W INCANDESCENT CEILING MOUNT	1	LED15WBULB	12-15 WATT LED BULB-SPECIFY STYLE	15 WATT LED BULB - SPECIFY STYLE	90%	100	15	3000	3000	MECH	0.13	0.08	240	255
SHREVEPORT	MECHANICAL TYPE CFL	1	FLEZ7	27W FLUOR ADAPTER	1	LED10WBULB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	90%	27	10	3000	3000	MECH	0.02	0.02	81	51
SHREVEPORT	STAIRS TYPE BH12	6	1X42LWR	1X4 2L T12 WRAP	6	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	8760	8760	EM	0.42	0.28	3679	2418
SHREVEPORT	STAIRS TYPE BHH	6	1X42LWR	1X4 2L T12 WRAP	6	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	0.35	0.20	3048	1787
SHREVEPORT	LOUNGE/BREAK RM TYPE A8	4	2X44LWR	1X4 2L WALL MOUNT	4	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4558	4558	EM	0.21	0.12	866	529
SHREVEPORT	LOUNGE/BREAK RM TYPE A8	3	2X44LWR	2X4 4L TR WRAP FIXTURE	3	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	5352	5352	LB	0.41	0.24	2841	1670
SHREVEPORT	LOUNGE/BREAK RM TYPE A12	3	2X44LWR	2X4 4L T12 WRAP	3	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	5352	5352	LB	0.38	0.28	2248	1670
SHREVEPORT	LOUNGE/BREAK RM TYPE BH12	2	1X42LWR	1X4 2L T12 WRAP	2	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	8760	8760	EM	0.13	0.08	749	492
SHREVEPORT	LOUNGE/BREAK RM TYPE B8	8	1X42LWR	1X4 2L T12 WRAP	8	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4558	4558	EM	0.21	0.12	866	529
SHREVEPORT	HALLS/COMMON TYPE BH12	8	1X42LWR	1X4 2L T12 WRAP	8	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	19	4558	4558	H	0.50	0.37	2552	1860
SHREVEPORT	HALLS/COMMON TYPE BH12	3	1X42LWR	1X4 2L T12 WRAP	3	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	19	8760	8760	EM	0.21	0.15	1840	1340
SHREVEPORT	HALLS/COMMON TYPE X	6	EX10WBFL	2-9W FLUOR EXIT W/8ATT	6	NEWLED9WB	NEW LED EXIT W/8ATT	NEW LED EXIT W/8ATT	100%	15	2	8760	8760	EM	0.09	0.08	788	683
SHREVEPORT	PRIVATE OFFICE TYPE A 2/1RM	22	2X44LWR	2X4 4L T12 WRAP	22	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	PO	2.77	2.06	6160	4576
SHREVEPORT	PRIVATE OFFICE TYPE A 4/1RM	60	2X44LWR	2X4 4L T12 WRAP	60	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	PO	7.56	5.62	16800	12480
SHREVEPORT	PRIVATE OFFICE TYPE A 6/1RM	66	2X44LWR	2X4 4L T12 WRAP	66	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	PO	8.32	6.18	18480	13728
SHREVEPORT	OPEN OFFICE TYPE A 6/1RM	4	2X44LWR	2X4 4L TR WRAP FIXTURE	4	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	OO	0.41	0.28	368	238
SHREVEPORT	OPEN OFFICE TYPE A 6/1RM	4	2X44LWR	2X4 4L TR WRAP FIXTURE	4	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	OO	0.41	0.28	368	238
SHREVEPORT	OPEN OFFICE TYPE A 2/1RM	11	2X44LWR	2X4 4L TR WRAP FIXTURE	11	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	OO	1.19	0.77	3762	2574
SHREVEPORT	OPEN OFFICE TYPE A 2/1RM	11	2X44LWR	2X4 4L T12 WRAP	11	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	OO	1.39	1.03	4620	3432
SHREVEPORT	RESTROOMS TYPE A8	4	2X44LWR	2X4 4L TR WRAP FIXTURE	4	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3264	3264	ESRR	0.41	0.28	1488	1016
SHREVEPORT	RESTROOMS TYPE A12	4	2X44LWR	2X4 4L T12 WRAP	4	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	3264	3264	ESRR	0.50	0.31	828	558
SHREVEPORT	RESTROOMS TYPE B8	8	1X42LWR	1X4 2L TR WRAP	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3264	3264	ESRR	0.42	0.24	1514	888
SHREVEPORT	RESTROOMS TYPE B12	4	1X42LWR	1X4 2L T12 WRAP	4	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	3264	3264	ESRR	0.25	0.17	914	601
SHREVEPORT	RESTROOMS TYPE B8	8	1X42LWR	1X4 2L TR WRAP	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	3264	3264	ESRR	0.50	0.33	1350	920
SHREVEPORT	LIBRARY TYPE A12	8	2X44LWR	2X4 4L T12 WRAP	8	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	4000	4000	ESR	0.11	0.75	4480	3328
SHREVEPORT	MECHANICAL TYPE B 8B	2	1X42LTR	1X4 2L TR FIXTURE ELECTRONIC	2	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3000	3000	MECH	0.10	0.06	348	204
SHREVEPORT	MECHANICAL TYPE BH12	2	1X42LWR	1X4 2L T12 WRAP	2	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	3000	3000	MECH	0.13	0.08	420	276
SHREVEPORT	HALLS/COMMON TYPE B8	1	INC100CM	100W INCANDESCENT CEILING MOUNT	1	LED15WBULB	12-15 WATT LED BULB-SPECIFY STYLE	15 WATT LED BULB - SPECIFY STYLE	90%	100	15	3000	3000	MECH	0.09	0.06	300	255
SHREVEPORT	MECHANICAL TYPE CFL	1	FLEZ7	27W FLUOR ADAPTER	1	LED10WBULB	9-11 WATT LED BULB-SPECIFY STYLE	10 WATT LED BULB - SPECIFY STYLE	90%	27	10	3000	3000	MECH	0.02	0.02	81	51
SHREVEPORT	STAIRS TYPE BH12	6	1X42LWR	1X4 2L T12 WRAP	6	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	8760	8760	EM	0.42	0.28	3679	2418
SHREVEPORT	STAIRS TYPE BHH	6	1X42LWR	1X4 2L T12 WRAP	6	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	0.35	0.20	3048	1787
SHREVEPORT	LOUNGE/BREAK RM TYPE A8	3	2X44LWR	1X4 2L WALL MOUNT	3	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4558	4558	EM	0.21	0.12	866	529
SHREVEPORT	LOUNGE/BREAK RM TYPE A8	3	2X44LWR	2X4 4L TR WRAP FIXTURE	3	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	5352	5352	LB	0.31	0.21	1830	1252
SHREVEPORT	LOUNGE/BREAK RM TYPE A12	4	2X44LWR	2X4 4L T12 WRAP	4	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	5352	5352	LB	0.50	0.37	2997	2226
SHREVEPORT	LOUNGE/BREAK RM TYPE BH12	2	1X42LWR	1X4 2L T12 WRAP	2	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	8760	8760	EM	0.13	0.08	749	492
SHREVEPORT	HALLS/COMMON TYPE B8	8	1X42LWR	1X4 2L T12 WRAP	8	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	4558	4558	EM	0.21	0.12	866	529
SHREVEPORT	HALLS/COMMON TYPE BH12	8	1X42LWR	1X4 2L T12 WRAP	8	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	19	4558	4558	H	0.50	0.37	2552	1860
SHREVEPORT	HALLS/COMMON TYPE BH12	3	1X42LWR	1X4 2L T12 WRAP	3	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	19	8760	8760	EM	0.21	0.15	1840	1340
SHREVEPORT	HALLS/COMMON TYPE X	6	EX10WBFL	2-9W FLUOR EXIT W/8ATT	6	NEWLED9WB	NEW LED EXIT W/8ATT	NEW LED EXIT W/8ATT	100%	15	2	8760	8760	EM	0.09	0.08	788	683
SHREVEPORT	PRIVATE OFFICE TYPE A 2/1RM	22	2X44LWR	2X4 4L T12 WRAP	22	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	PO	2.77	2.06	6160	4576
SHREVEPORT	PRIVATE OFFICE TYPE A 4/1RM	64	2X44LWR	2X4 4L T12 WRAP	64	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	PO	8.06	5.98	17920	13312
SHREVEPORT	PRIVATE OFFICE TYPE A 6/1RM	60	2X44LWR	2X4 4L T12 WRAP	60	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	2000	2000	PO	7.56	5.62	16800	12480
SHREVEPORT	OPEN OFFICE TYPE A 6/1RM	4	2X44LWR	2X4 4L TR WRAP FIXTURE	4	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	OO	0.41	0.28	368	238
SHREVEPORT	OPEN OFFICE TYPE A 6/1RM	4	2X44LWR	2X4 4L TR WRAP FIXTURE	4	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3000	3000	OO	0.41	0.28	368	238
SHREVEPORT	RESTROOMS TYPE A8	4	2X44LWR	2X4 4L TR WRAP FIXTURE	4	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	3264	3264	ESRR	0.41	0.28	1488	1016
SHREVEPORT	RESTROOMS TYPE A12	4	2X44LWR	2X4 4L T12 WRAP	4	2D4FTKIT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	3264	3264	ESRR	0.50	0.37	1828	1358
SHREVEPORT	RESTROOMS TYPE B8	8	1X42LWR	1X4 2L TR WRAP	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3264	3264	ESRR	0.42	0.24	1514	888
SHREVEPORT	RESTROOMS TYPE B12	4	1X42LWR	1X4 2L T12 WRAP	4	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	3264	3264	ESRR	0.25	0.17	914	601
SHREVEPORT	RESTROOMS TYPE S	8	1X42LWR	1X4 2L WALL MOUNT	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	3264	3264	ESRR	0.50	0.33	1828	1201
SHREVEPORT	MECHANICAL TYPE B 8B	2	1X42LTR	1X4 2L TR FIXTURE ELECTRONIC	2	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3000	3000	MECH	0.10	0.06	348	204
SHREVEPORT	MECHANICAL TYPE BH12	2	1X42LWR	1X4 2L T12 WRAP	2	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	3000	3000					

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Proposed System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hour	Post Hour	Hour	Monthly kWh Saved	Existing kWh	Annual kWh	
SUPREMECRT	EXTERIOR TYPE F52	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED50WP	50 WATT LED SMALL WALL PACK	NEW 50 WATT LED SMALL WALL PACK	10%	213	50	4380	4380	EXT	0.04	0.03	1866	1428
SUPREMECRT	HALL TYPE F28	1	F232	2-32 W FLUORESCENT FIXTURE	1	F232	2-32 W FLUORESCENT FIXTURE	GE LRX-RB-18-40-DM OR EQUAL	100%	21	21	8760	8760	H	0.21	0.07	206	438
SUPREMECRT	HALL TYPE F11	7	2X2L78	2X2 2L T8 USE ELECTRONIC	7	2D2FTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	58	18	8760	8760	H	0.41	0.28	3557	2453
SUPREMECRT	HALL TYPE F14	4	2X2L78	2X2 2L T8 USE ELECTRONIC	4	2D2FTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	58	18	8760	8760	H	0.23	0.16	2032	1402
SUPREMECRT	HALL TYPE F28	11	F313	3-13W FLUOR FIXTURE	11	LED15HWCUSTKIT	15 WATT LED KIT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	45	15	8760	8760	H	0.63	0.42	5519	3679
SUPREMECRT	MUSEUM TYPE F58	11	F432	4-32 W FLUORESCENT FIXTURE	4	LED20HWCUSTKIT	20 WATT LED KIT FOR CUSTOM FIXTURE	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	40	20	8760	8760	H	0.58	0.38	5046	3546
SUPREMECRT	HALL TYPE F28	11	F218	2-18W FLUOR FIXTURE	11	LED10HWCUSTKIT	10 WATT LED CONVERSION KIT FOR SUR OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	40	10	8760	8760	H	0.44	0.33	3854	2891
SUPREMECRT	KITCHEN TYPE F10A	2	F242	2-42W FLUOR FIXTURE	2	LED20HWRECCKIT8*	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-RB-18-40-DM OR EQUAL	90%	84	22	3600	3600	KIT	0.15	0.11	605	446
SUPREMECRT	KITCHEN TYPE F10E	7	F242	2-42W FLUOR FIXTURE	7	LED20HWRECCKIT8*	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-RB-18-40-DM OR EQUAL	90%	84	22	3600	3600	KIT	0.53	0.39	2117	1562
SUPREMECRT	KITCHEN TYPE F10B	7	F242	2-42W FLUOR FIXTURE	7	LED20HWRECCKIT8*	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-RB-18-40-DM OR EQUAL	90%	84	22	3600	3600	KIT	0.62	0.46	3141	2374
SUPREMECRT	KITCHEN TYPE F10D	1	F242	2-42W FLUOR FIXTURE	1	LED20HWRECCKIT8*	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-RB-18-40-DM OR EQUAL	90%	84	22	3600	3600	KIT	0.08	0.06	302	223
SUPREMECRT	KITCHEN TYPE F22A	3	2X4L78	2X4 2L T8 FIXTURE	3	4D4F7400L	4LT 4FT T8 LED W/4000L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	3600	3600	KIT	0.31	0.17	1231	670
SUPREMECRT	MUSEUM TYPE F58	6	INC90CM	90W INCANDESCENT CEILING MOUNT	6	LED12WPFR	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE	90%	90	12	4200	4200	MUS	0.49	0.42	2268	1966
SUPREMECRT	MUSEUM TYPE F58	11	INC90HAL	78 WATT HALOGEN FLOOD OR SPOT	11	LED12WPFR	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE	90%	75	12	4200	4200	MUS	0.74	0.62	3465	2911
SUPREMECRT	MUSEUM TYPE F7	11	2X2L78	2X2 2L T8 FIXTURE	11	3D2FTK13300L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	3LT 3300 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	90%	51	27	4200	4200	MUS	0.50	0.24	2356	1109
SUPREMECRT	MUSEUM TYPE F7C	4	2X2L78	2X2 2L T8 FIXTURE	4	3D2FTK13300L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	3LT 3300 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	90%	51	27	4200	4200	MUS	0.18	0.09	857	403
SUPREMECRT	OPEN OFFICE TYPE F11	14	2X4L78	2X4 2L T8 PARABOLIC	14	2D2FTK12800L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	90%	58	23	4570	4569.6	OO	0.73	0.44	3111	2239
SUPREMECRT	OPEN OFFICE TYPE F12	13	2X4L78PARA	2X4 3L T8 PARABOLIC	13	3D4F7400L	3LT 4FT T8 LED W/4000L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4570	4569.6	OO	1.03	0.61	5228	3085
SUPREMECRT	OPEN OFFICE TYPE F22	7	2X4L78	2X4 4L T8 FIXTURE	7	4D4F7400L	4LT 4FT T8 LED W/4000L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	4570	4569.6	OO	0.72	0.39	3647	1983
SUPREMECRT	OPEN OFFICE TYPE F27C	1	2X4L78	2X4 4L T8 FIXTURE	1	4D4F7400L	4LT 4FT T8 LED W/4000L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	4570	4569.6	OO	0.10	0.06	521	283
SUPREMECRT	OPEN OFFICE TYPE F7C	2	2X2L78	2X2 2L T8 FIXTURE	2	3D2FTK13300L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	3LT 3300 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	90%	51	27	4570	4569.6	OO	0.08	0.04	466	219
SUPREMECRT	OPEN OFFICE TYPE F28	26	2X4L78PARA	2X4 3L T8 PARABOLIC	26	3D4F7400L	3LT 4FT T8 LED W/4000L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4570	4569.6	OO	1.22	0.65	10455	6178
SUPREMECRT	OPEN OFFICE TYPE F7	8	2X2L78	2X2 2L T8 FIXTURE	8	3D2FTK13300L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	3LT 3300 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	90%	51	27	4570	4569.6	OO	0.17	0.11	1864	877
SUPREMECRT	PRIVATE OFFICE TYPE F2	25	2X4L78PARA	2X4 2L T8 PARABOLIC	25	3D4F7400L	3LT 4FT T8 LED W/4000L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2678	2678.4	PO	1.98	1.17	5692	3482
SUPREMECRT	PRIVATE OFFICE TYPE F27	4	2X4L78	2X4 4L T8 FIXTURE	4	4D4F7400L	4LT 4FT T8 LED W/4000L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	4570	4569.6	OO	0.11	0.07	878	454
SUPREMECRT	PRIVATE OFFICE TYPE F28	1	2X4L78PARA	2X4 3L T8 PARABOLIC	1	3D4F7400L	3LT 4FT T8 LED W/4000L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	2678	2678.4	PO	0.08	0.05	236	139
SUPREMECRT	PRIVATE OFFICE TYPE F2C	4	2X4L78PARA	2X4 4L T8 PARABOLIC	4	4D4F7400L	4LT 4FT T8 LED W/4000L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	2678	2678.4	PO	0.41	0.28	1221	836
SUPREMECRT	PRIVATE OFFICE TYPE F3B	6	2X4L78PARA	2X4 4L T8 PARABOLIC	6	4D4F7400L	4LT 4FT T8 LED W/4000L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	2678	2678.4	PO	0.62	0.42	1832	1253
SUPREMECRT	RESTROOM TYPE F11	1	2X2L78	2X2 2L T8 USE ELECTRONIC	1	2D2FTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	58	18	3692	3692.4	ESRR	0.04	0.02	214	148
SUPREMECRT	RESTROOM TYPE F11A	2	2X2L78	2X2 2L T8 USE ELECTRONIC	2	2D2FTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	58	18	3692	3692.4	ESRR	0.10	0.07	428	295
SUPREMECRT	RESTROOM TYPE F12A	4	2X4L78PARA	2X4 3L T8 PARABOLIC	4	3D4F7400L	3LT 4FT T8 LED W/4000L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	3692	3692.4	ESRR	0.32	0.19	1300	768
SUPREMECRT	RESTROOM TYPE F53	2	F242	2-42W FLUOR FIXTURE	2	LED20HWRECCKIT8*	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-RB-18-40-DM OR EQUAL	90%	84	22	3692	3692.4	ESRR	0.15	0.11	620	458
SUPREMECRT	RESTROOM TYPE F1	1	1X4L2L78	1X4 2L T8 FIXTURE ELECTRONIC	1	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4000	4000	STO	0.08	0.06	208	163
SUPREMECRT	STORAGE TYPE F14	2	1X4L2L78	1X4 2L T8 FIXTURE ELECTRONIC	2	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.10	0.06	278	163
SUPREMECRT	STORAGE TYPE F27	3	2X4L78	2X4 4L T8 FIXTURE	3	4D4F7400L	4LT 4FT T8 LED W/4000L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	2400	2400	STO	0.31	0.17	821	446
SUPREMECRT	STORAGE TYPE F1	3	2X4L78PARA	2X4 4L T8 PARABOLIC	3	4D4F7400L	4LT 4FT T8 LED W/4000L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	2400	2400	STO	0.31	0.21	821	582
SUPREMECRT	STORAGE TYPE TYPE F3B	7	2X4L78PARA	2X4 4L T8 PARABOLIC	7	4D4F7400L	4LT 4FT T8 LED W/4000L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	2400	2400	STO	0.21	0.14	821	582
SUPREMECRT	EMERGENCY TYPE F15	4	1X4L2L78	1X4 2L T8 FIXTURE ELECTRONIC	4	2D4F73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	0.23	0.14	2032	1191
SUPREMECRT	HALL TYPE F10B	1	F232	2-32 W FLUORESCENT FIXTURE	1	LED20HWRECCKIT8*	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-RB-18-40-DM OR EQUAL	100%	72	22	8760	8760	H	0.07	0.05	631	438
SUPREMECRT	HALL TYPE F11	28	2X2L78	2X2 2L T8 USE ELECTRONIC	28	2D2FTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	58	18	8760	8760	H	1.82	1.12	14226	9821
SUPREMECRT	HALL TYPE F20	6	F138X	13 WATT BIAX FIXTURE	6	LED5WBULB	5 WATT LED BULB-SPECIFY STYLE	5 WATT LED BULB - SPECIFY STYLE	100%	15	5	8760	8760	H	0.09	0.06	788	526
SUPREMECRT	HALL TYPE F28	10	F313	3-13W FLUOR FIXTURE	10	LED15HWCUSTKIT	15 WATT LED KIT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	45	15	8760	8760	H	0.66	0.30	3942	2628
SUPREMECRT	HALL TYPE F33	6	F432	4-32 W FLUORESCENT FIXTURE	6	LED20HWCUSTKIT	20 WATT LED CONVERSION KIT FOR CUSTOM FIXTURE	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	44	20	8760	8760	H	0.85	0.74	7559	6157
SUPREMECRT	HALL TYPE F44	2	MR16	EXISTING MR16 FIXTURE	2	LED7WMR16	7-9 WATT LED BULB-SPECIFY STYLE	7 WATT LED BULB - SPECIFY STYLE	100%	15	8760	8760	H	0.1	0.10	876	841	
SUPREMECRT	HALL TYPE F7	2	2X2L78	2X2 2L T8 FIXTURE	2	3D2FTK13300L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	3LT 3300 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	100%	51	27	8760	8760	H	0.10	0.05	894	420
SUPREMECRT	HALL TYPE F7C	2	2X2L78	2X2 2L T8 FIXTURE	2	3D2FTK13300L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	3LT 3300 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	100%	51	27	8760	8760	H	0.10	0.05	894	420
SUPREMECRT	MEETING ROOM TYPE F3B	1	2X4L78PARA	2X4 3L T8 PARABOLIC	1	3D4F7400L	3LT 4FT T8 LED W/4000L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	114	36	4330	4330	PO	0.17	0.13	3270	2370
SUPREMECRT	OPEN OFFICE TYPE F13	4	1X32L	1X3 2L T12 FIXTURE	4	2D3F72800L	2LT 3FT T8 LED W/2800L DRIVER	2LT 2800 LUMEN DRIVER UNV AND 2-3FT TYPE C LED T8 LAMP	90%	65	23	4570	4569.6	OO	0.23	0.15	1188	788
SUPREMECRT	OPEN OFFICE TYPE F12	12	2X4L78PARA	2X4 3L T8 PARABOLIC	12	3D4F7400L	3LT 4FT T8 LED W/4000L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-4FT TYPE C LED T8 LAMP	90%	88	36	4570	4569.6	OO	0.95	0.56	4825	2851
SUPREMECRT	OPEN OFFICE TYPE F2C	2	2X4L78PARA	2X4 4L T8 PARABOLIC	2	4D4F7400L	4LT 4FT T8 LED W/4000L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	4570	4569.6	OO	0.21	0.14	1042	713
SUPREMECRT	OPEN OFFICE TYPE F3	103	2X4L78PARA	2X4 4L T8 PARABOLIC	103	4D4F7400L	4LT 4FT T8 LED W/4000L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	36	4570	4569.6	OO	0.57	0.29	5356	3673
SUPREMECRT	OPEN OFFICE TYPE F3B	13	2X4L78PARA	2X4 4L T8 PARABOLIC	13	4D4F7400L	4LT 4FT T8 LED W/4000L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	36	4570	4569.6	OO	1.33	0.91	6772	4634
SUPREMECRT	OPEN OFFICE TYPE F7	4	2X2L78	2X2 2L T8 FIXTURE	4	3D2FTK13300L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	3LT 3300 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	90%	51	27	4570	4569.6	OO	0.18	0.09	932	439
SUPREMECRT	OPEN OFFICE TYPE																	

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Proposed System)	Consist of	Diversity Factor	Pre Watts	Post Watts	Pre Hours	Post Hours	Hour Code	Monthly kWh Saved	Monthly kWh Saved	Existing kWh	Annual kWh Saved
SUPREMECR	LIBRARY TYPE F10B	2	F232	2-32 W FLUORESCENT FIXTURE	2	LED20HWRECKIT19	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-40-MD OR EQUAL	90%	72	22	4800	4800	LIB	0.13	0.09	691	480
SUPREMECR	LIBRARY TYPE F16	24	MH250CM	250W METAL HALIDE CEILING MOUNT	24	LED90HWCKIT	90 WATT LED CONVERSION KIT FOR CUSTOM FIXT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	275	80	4800	4800	LIB	0.50	0.35	2640	1872
SUPREMECR	LIBRARY TYPE F16A	2	MH250CM	250W METAL HALIDE CEILING MOUNT	2	LED90HWCKIT	90 WATT LED CONVERSION KIT FOR CUSTOM FIXT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	275	80	4800	4800	LIB	0.50	0.35	2640	1872
SUPREMECR	LIBRARY TYPE F31	8	F226	2-26W FLUOR FIXTURE	8	LED15HWCKIT	15 WATT LED KIT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	52	15	4800	4800	LIB	0.37	0.27	1997	1421
SUPREMECR	LIBRARY TYPE F43	4	INC75HAL	75 WATT HALOGEN FLOOR OR SPOT	4	LED12WPFR	12 WATT LED PAR LAMP-SPECIFY STYLE	12 WATT LED BULB - SPECIFY STYLE	90%	75	12	4800	4800	LIB	0.27	0.23	1440	1210
SUPREMECR	LIBRARY TYPE F78	1	2X4L2L78	2X2 2L 78 FIXTURE	1	2X4L2L78	2X2 2L 78 FIXTURE	3LT 3000 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	51	27	4800	4800	LIB	0.09	0.06	1120	329
SUPREMECR	LIBRARY TYPE F78	2	2X2L78	2X2 2L 78 FIXTURE	2	30DFTK13300L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	3LT 3000 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	51	27	4800	4800	LIB	0.09	0.04	490	230
SUPREMECR	LIBRARY TYPE F94	67	1X84L78PEN	1X8 4L 78 PENDANT FIXTURE	67	40DF74600LINF8T	4LT 4FT T8 LED W/4800L DRIVER LINEAR 8FT	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP TANDEM 8 FT	90%	114	52	4800	4800	LIB	2.67	3.74	36662	19939
SUPREMECR	LIBRARY TYPE F9C	16	1X126L78PEN	1X12 6L 78 PENDANT FIXTURE	32	30DF74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	171	36	4800	4800	LIB	6.46	4.43	13133	7603
SUPREMECR	OPEN OFFICE TYPE F3	28	2X4L18PARA	2X4 4L 18 PARABOLIC	28	40DF74600L	4LT 4FT T8 LED W/4800L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP	90%	114	52	4800	4800	LIB	2.67	1.63	13544	2866
SUPREMECR	OPEN OFFICE TYPE F3B	2	2X4L18PARA	2X4 4L 18 PARABOLIC	2	40DF74800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP	90%	114	36	4570	4569.6	CO	0.21	0.14	1042	713
SUPREMECR	PRIVATE OFFICE TYPE F31	1	F218	2-18W FLUOR FIXTURE	1	LED10HWRSURKIT	10 WATT LED CONVERSION KIT FOR SUR OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	40	10	2678	2678.4	PO	0.04	0.03	107	80
SUPREMECR	PRIVATE OFFICE TYPE F2	8	2X4L18PARA	2X4 4L 18 PARABOLIC	8	30DF74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	2678	2678.4	PO	0.63	0.37	1896	1114
SUPREMECR	PRIVATE OFFICE TYPE F2B	1	2X4L18PARA	2X4 4L 18 PARABOLIC	1	30DF74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	2678	2678.4	PO	0.08	0.06	236	139
SUPREMECR	PRIVATE OFFICE TYPE F3	6	2X4L18PARA	2X4 4L 18 PARABOLIC	6	40DF74800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP	90%	114	36	2678	2678.4	PO	0.62	0.42	1832	1253
SUPREMECR	PRIVATE OFFICE TYPE F7	6	2X2L78	2X2 2L 78 FIXTURE	6	30DFTK13300L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	3LT 3000 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	51	27	2678	2678.4	PO	0.28	0.13	820	386
SUPREMECR	RESTROOM TYPE F11	1	2X4L218	2X2 2L 18 FIXTURE ELECTRONIC	1	20DFTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	114	36	3892	3892.4	ESRR	0.10	0.07	221	148
SUPREMECR	RESTROOM TYPE F3A	1	2X4L18PARA	2X4 4L 18 PARABOLIC	1	40DF74800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP	90%	114	36	2678	2678.4	PO	0.62	0.42	1832	1253
SUPREMECR	RESTROOM TYPE F53	1	F242	2-42W FLUOR FIXTURE	1	LED20HWRECKIT19	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-40-40-MD OR EQUAL	90%	84	22	3892	3892.4	ESRR	0.08	0.06	310	229
SUPREMECR	STORAGE TYPE F1	1	1X42L78	1X4 2L 78 FIXTURE ELECTRONIC	1	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.05	0.03	139	82
SUPREMECR	STORAGE TYPE F1	1	2X4L218	2X2 2L 18 FIXTURE ELECTRONIC	1	20DFTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	18	2400	2400	STO	0.05	0.04	139	96
SUPREMECR	STORAGE TYPE F14	7	1X42L78	1X4 2L 78 FIXTURE ELECTRONIC	7	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.37	0.21	974	571
SUPREMECR	STORAGE TYPE F2	3	2X4L18PARA	2X4 4L 18 PARABOLIC	3	30DF74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	2400	2400	STO	0.24	0.14	634	374
SUPREMECR	STORAGE TYPE F14	104	2X2L78	2X2 2L 78 FIXTURE	104	30DFTK13300L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	3LT 3000 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	51	27	4852	4851.6	SCHAM	4.77	2.25	25733	12110
SUPREMECR	CHAMBERS TYPE F7C	6	F218	2-18W FLUOR FIXTURE	6	F218	2-18W FLUOR FIXTURE	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	40	10	2678	2678.4	ESRR	0.04	0.03	242	219
SUPREMECR	HALL TYPE F11	16	2X2L218	2X2 2L 18 FIXTURE ELECTRONIC	16	20DFTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	100%	58	18	8760	8760	H	0.93	0.64	8129	5606
SUPREMECR	HALL TYPE F1A	12	2X2L218	2X2 2L 18 FIXTURE ELECTRONIC	12	20DFTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	100%	58	18	8760	8760	H	0.70	0.48	6097	4205
SUPREMECR	HALL TYPE F8 175W MH INDUCT	12	MH175SB	175W METAL HALIDE SHOE BOX	12	LED90HWCKIT	90 WATT LED HARDWARE CONVERSION KIT FOR CUSTOM FIXT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	213	50	8760	8760	H	2.56	1.96	22391	17135
SUPREMECR	KITCHEN TYPE F11	2	2X2L218	2X2 2L 18 FIXTURE ELECTRONIC	2	20DFTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	18	3600	3600	KIT	0.10	0.07	418	288
SUPREMECR	LIBRARY TYPE F2	15	2X4L18PARA	2X4 4L 18 PARABOLIC	15	30DF74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	4800	4800	LIB	1.19	0.70	6336	3744
SUPREMECR	LIBRARY TYPE F3	18	2X4L18PARA	2X4 4L 18 PARABOLIC	18	40DF74600L	4LT 4FT T8 LED W/4800L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP	90%	114	52	4800	4800	LIB	1.86	1.00	9850	5387
SUPREMECR	LIBRARY TYPE F3B	21	2X4L18PARA	2X4 4L 18 PARABOLIC	21	40DF74600L	4LT 4FT T8 LED W/4800L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP	90%	114	52	4800	4800	LIB	1.86	1.00	9850	5387
SUPREMECR	LIBRARY TYPE F3B	21	2X4L18PARA	2X4 4L 18 PARABOLIC	21	30DF74800L	3LT 4FT T8 LED W/4800L DRIVER	3LT 4800 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP	90%	88	36	4570	4569.6	CO	1.66	0.98	8445	4990
SUPREMECR	LIBRARY TYPE F3B	21	2X4L18PARA	2X4 4L 18 PARABOLIC	21	40DF74800L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP	90%	88	36	4570	4569.6	CO	0.32	0.19	1608	950
SUPREMECR	LIBRARY TYPE F3B	21	2X4L18PARA	2X4 4L 18 PARABOLIC	21	40DF74600L	4LT 4FT T8 LED W/4800L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP	90%	114	52	4570	4569.6	CO	0.62	0.38	3108	1700
SUPREMECR	LIBRARY TYPE F3B	21	2X4L18PARA	2X4 4L 18 PARABOLIC	21	40DF74600L	4LT 4FT T8 LED W/4800L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP	90%	114	52	4570	4569.6	CO	0.21	0.11	1042	587
SUPREMECR	LIBRARY TYPE F3B	21	2X4L18PARA	2X4 4L 18 PARABOLIC	21	20DFTK12800L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	23	2678	2678.4	PO	0.21	0.13	621	375
SUPREMECR	LIBRARY TYPE F3B	21	2X4L18PARA	2X4 4L 18 PARABOLIC	21	40DF74600L	4LT 4FT T8 LED W/4800L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP	90%	114	52	2678	2678.4	PO	0.21	0.11	611	332
SUPREMECR	LIBRARY TYPE F3B	21	2X4L18PARA	2X4 4L 18 PARABOLIC	21	40DF74600L	4LT 4FT T8 LED W/4800L DRIVER	4LT 4800 LUMEN DRIVER UNV AND 4-FT TYPE C LED T8 LAMP	90%	114	52	2678	2678.4	PO	0.21	0.11	611	332
SUPREMECR	LIBRARY TYPE F7	56	2X2L218	2X2 2L 18 FIXTURE	56	30DFTK13300L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	3LT 3000 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	51	27	8760	8760	PO	0.71	0.51	3600	2000
SUPREMECR	LIBRARY TYPE F10B	4	F232	2-32 W FLUORESCENT FIXTURE	4	LED20HWCKIT	20 WATT LED CONVERSION KIT FOR CUSTOM FIXTURE	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	72	20	3892	3892.4	ESRR	0.06	0.09	1063	768
SUPREMECR	LIBRARY TYPE F11	14	2X2L218	2X2 2L 18 FIXTURE ELECTRONIC	14	20DFTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP KIT	90%	58	18	3892	3892.4	ESRR	0.73	0.50	2999	2068
SUPREMECR	LIBRARY TYPE F11	4	1X42L78	1X4 2L 78 FIXTURE ELECTRONIC	4	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.41	0.28	1854	1152
SUPREMECR	LIBRARY TYPE F14	4	1X42L78	1X4 2L 78 FIXTURE ELECTRONIC	4	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.05	0.03	139	82
SUPREMECR	LIBRARY TYPE F14	4	1X42L78	1X4 2L 78 FIXTURE ELECTRONIC	4	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.21	0.12	557	326
SUPREMECR	LIBRARY TYPE F28	8	2X2L218	2X2 2L 18 FIXTURE	8	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.42	0.24	1114	653
SUPREMECR	LIBRARY TYPE F28	8	2X2L218	2X2 2L 18 FIXTURE	8	30DFTK13300L	2LT 2FT T8 LED 2800L W/ SOCKET KIT U6 TO Z	3LT 3000 LUMEN DRIVER UNV AND 3-FT TYPE C LED T8 LAMP KIT	90%	51	27	4852	4851.6	SCHAM	0.21	0.11	611	332
SUPREMECR	LIBRARY TYPE F28	8	2X2L218	2X2 2L 18 FIXTURE	8	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.42	0.24	1114	653
SUPREMECR	LIBRARY TYPE F28	8	2X2L218	2X2 2L 18 FIXTURE	8	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.42	0.24	1114	653
SUPREMECR	LIBRARY TYPE F28	8	2X2L218	2X2 2L 18 FIXTURE	8	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.42	0.24	1114	653
SUPREMECR	LIBRARY TYPE F28	8	2X2L218	2X2 2L 18 FIXTURE	8	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.42	0.24	1114	653
SUPREMECR	LIBRARY TYPE F28	8	2X2L218	2X2 2L 18 FIXTURE	8	20DF73200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.42	0.24	1114	653

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Hour	Post Hour	Hour Code	Monthly Pre kWh	Monthly Post kWh	Existing kWh Saved	Annual kWh Saved	
SUPREMECRT	STORAGE TYPE F14	6	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	6	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.31	0.18	835	400	
SUPREMECRT	STORAGE TYPE F14	1	1X84L78	1X8 4L T8 FIXTURE	1	4D4F16400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	2400	2400	STO	0.10	0.06	278	149	
SUPREMECRT	STORAGE TYPE F2	2	2X42L18PARA	2X4 2L T8 FIXTURE PARABOLIC	2	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.10	0.06	278	163	
SUPREMECRT	STORAGE F2C	1	2X44L18PARA	2X4 4L T8 PARABOLIC	1	4D4F16400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	2400	2400	STO	0.10	0.06	278	149	
SUPREMECRT	STORAGE TYPE F28	4	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	4	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.21	0.12	557	326	
SUPREMECRT	CHAMBERS TYPE F42A	9	HFB1042	10-42W FLUORESCENT HIGHBAY	9	LED100HWCUSTKIT	100 WATT LED KIT FOR CUSTOM FIXTURE	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	450	100	4852	4851	SCHAM	3.65	2.84	19649	15283	
SUPREMECRT	CHAMBERS TYPE F7C	69	2X2L2T8	2X2 2L T8 FIXTURE	69	3D2FTTK13300L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO Z	3LT 3300 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	90%	51	27	4800	4800	H	0.31	0.17	14973	8034	
SUPREMECRT	EMERGENCY TYPE F30	3	F218	2-18W FLUOR FIXTURE	3	LED10HWURKIT	10 WATT LED CONVERSION KIT FOR SUR OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	40	10	4570	4569	OC	0.12	0.09	1051	778	
SUPREMECRT	EMERGENCY TYPE F48	6	F218	2-18W FLUOR FIXTURE	6	LED10HWURKIT	10 WATT LED CONVERSION KIT FOR SUR OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	80	20	9140	9138	OC	0.24	0.20	2803	2112	
SUPREMECRT	FILE ROOM TYPE F3	3	2X44L18PARA	2X4 4L T8 PARABOLIC	3	4D4F16400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	4570	4569	OC	0.31	0.17	1563	850	
SUPREMECRT	HALL TYPE F11	69	2X2L2T8	2X2 2L T8 ELECTRONIC	69	2D2FTTK12200L	2LT 2FT T8 LED 2200L W/SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	58	18	8760	8760	H	0.40	0.278	35058	24178	
SUPREMECRT	HALL TYPE F11A	17	2X2L2T8	2X2 2L T8 UB ELECTRONIC	17	2D2FTTK12200L	2LT 2FT T8 LED 2200L W/SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	58	18	8760	8760	H	0.99	0.68	8637	5957	
SUPREMECRT	HALL TYPE F22	8	F228	2-28W FLUOR FIXTURE	8	LED15HWURKIT	15 WATT LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	52	15	8760	8760	H	0.42	0.30	3844	2593	
SUPREMECRT	HALL TYPE F42B	6	HFB1042	10-42W FLUORESCENT HIGHBAY	6	LED100HWCUSTKIT	100 WATT LED KIT FOR CUSTOM FIXTURE	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	450	100	8760	8760	H	2.09	2.10	23652	18396	
SUPREMECRT	HALL TYPE F7	12	2X2L2T8	2X2 2L T8 FIXTURE	12	3D2FTTK13300L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO Z	3LT 3300 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	100%	51	27	8760	8760	H	0.61	0.29	5361	2523	
SUPREMECRT	HALL TYPE F7C	6	2X2L2T8	2X2 2L T8 FIXTURE	6	3D2FTTK13300L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO Z	3LT 3300 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	100%	51	27	8760	8760	H	0.31	0.14	2681	1261	
SUPREMECRT	HALL TYPE F8	14	MH1755B	175W METAL HALIDE SHOE BOX	14	LED50HWCUSTKIT	50 WATT LED HARDWARE CONVERSION KIT FOR CUSTOM FIXT	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	100%	213	50	8760	8760	H	2.98	2.28	26122	19990	
SUPREMECRT	KITCHEN TYPE F27	9	2X44L78	2X4 4L T8 FIXTURE	9	4D4F16400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	3600	3600	KIT	0.92	0.50	3694	2009	
SUPREMECRT	LIBRARY TYPE F7C	4	2X2L2T8	2X2 2L T8 FIXTURE	4	3D2FTTK13300L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO Z	3LT 3300 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	90%	51	27	4800	4800	LIB	0.18	0.09	979	461	
SUPREMECRT	LIBRARY TYPE F11	5	2X2L6T8	2X2 2L T8 UB ELECTRONIC	5	2D2FTTK12800L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	58	23	4800	4800	LIB	0.26	0.18	1392	840	
SUPREMECRT	LIBRARY TYPE F11A	1	2X2L6T8	2X2 2L T8 UB ELECTRONIC	1	2D2FTTK12800L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	58	23	4800	4800	LIB	0.05	0.03	278	168	
SUPREMECRT	LIBRARY TYPE F25	2	F842	8-42W FLUOR FIXTURE	2	LED80HWURKIT	80 WATT LED CONVERSION KIT FOR SUR OR CM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	338	80	4800	4800	LIB	0.60	0.46	3226	2458	
SUPREMECRT	LIBRARY TYPE F7	3	2X2L2T8	2X2 2L T8 FIXTURE	3	3D2FTTK13300L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO Z	3LT 3300 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	90%	51	27	4800	4800	LIB	0.38	0.20	304	3456	
SUPREMECRT	MIG ROOM TYPE F2	8	2X42L18PARA	2X4 2L T8 FIXTURE PARABOLIC	8	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4320	4320	MTG	0.42	0.24	2004	1175	
SUPREMECRT	PRIVATE OFFICE TYPE F11	16	2X2L6T8	2X2 2L T8 UB ELECTRONIC	16	2D2FTTK12800L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO Z	2LT 2800 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	58	23	2878	2878	PC	0.40	0.50	2486	1400	
SUPREMECRT	PRIVATE OFFICE TYPE F2	45	2X42L18PARA	2X4 2L T8 FIXTURE PARABOLIC	45	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2878	2878	PC	2.35	1.38	6991	4058	
SUPREMECRT	PRIVATE OFFICE TYPE F2A	6	2X42L18PARA	2X4 2L T8 PARABOLIC	6	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2878	2878	PC	0.42	0.24	1414	828	
SUPREMECRT	PRIVATE OFFICE TYPE F3	4	2X44L18PARA	2X4 4L T8 PARABOLIC	4	4D4F16400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	2878	2878	PC	0.41	0.22	1221	664	
SUPREMECRT	PRIVATE OFFICE TYPE F7	10	2X2L2T8	2X2 2L T8 FIXTURE	10	3D2FTTK13300L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO Z	3LT 3300 LUMEN DRIVER UNV AND 3-2FT TYPE C LED T8 LAMP KIT	90%	51	27	2878	2878	PC	0.46	0.22	1366	643	
SUPREMECRT	RESTROOM TYPE F10B	4	F232	2-32 W FLUORESCENT FIXTURE	4	LED20HWCRKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	72	22	3692	3692	ESRR	0.26	0.18	1063	738	
SUPREMECRT	RESTROOM TYPE F10B	2	2X2L6T8	2X2 2L T8 UB ELECTRONIC	2	2D2FTTK12800L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	58	18	3692	3692	ESRR	0.10	0.07	428	295	
SUPREMECRT	RESTROOM TYPE F3	4	2X44L18PARA	2X4 4L T8 PARABOLIC	4	4D4F16400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	3692	3692	ESRR	0.42	0.22	1684	916	
SUPREMECRT	RESTROOM TYPE F53	1	F242	2-42W FLUOR FIXTURE	1	LED20HWCRKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	84	22	3692	3692	ESRR	0.08	0.06	310	229	
SUPREMECRT	RESTROOM TYPE F6	7	2X2L6T8	2X2 2L T8 UB ELECTRONIC	7	2D2FTTK12800L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	90%	58	18	3692	3692	ESRR	0.26	0.18	1063	738	
SUPREMECRT	STORAGE TYPE F1	4	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	4	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.21	0.12	557	326	
SUPREMECRT	STORAGE TYPE F1B	3	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	3	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.16	0.09	418	245	
SUPREMECRT	STORAGE TYPE F27	4	2X44L78	2X4 4L T8 FIXTURE	4	4D4F16400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	2400	2400	STO	0.41	0.22	1094	595	
SUPREMECRT	STORAGE TYPE F6	3	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	3	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.16	0.09	418	245	
SUPREMECRT	MTG ROOM TYPE F2	11	2X42L18PARA	2X4 2L T8 FIXTURE PARABOLIC	11	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	4320	4320	MTG	0.47	0.34	2026	1616	
SUPREMECRT	COURTROOM F10G	2	F232	2-32 W FLUORESCENT FIXTURE	2	LED20HWCRKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	90%	72	22	2400	2400	CRT	0.10	0.08	346	240	
SUPREMECRT	COURTROOM TYPE F23	10	INC500W	500W INCANDESCENT FIXTURE	10	NEWLED60REC	NEW 60 WATT LED RECESSED CAN	NEW LED 60 WATT RECESSED CAN AND TRIM	90%	450	60	2400	2400	CRT	4.05	3.51	16800	9360	
SUPREMECRT	COURTROOM TYPE F23A	11	INC500W	500W INCANDESCENT FIXTURE	11	NEWLED60REC	NEW 60 WATT LED RECESSED CAN	NEW LED 60 WATT RECESSED CAN AND TRIM	90%	450	60	2400	2400	CRT	4.46	3.98	11880	10296	
SUPREMECRT	COURTROOM TYPE F28A	8	F313	3-13W FLUOR FIXTURE	8	LED15HWURKIT	15 WATT LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	45	15	2400	2400	CRT	0.32	0.22	864	580	
SUPREMECRT	COURTROOM TYPE F28B	6	F313	3-13W FLUOR FIXTURE	6	LED15HWURKIT	15 WATT LED CONVERSION KIT FOR REC OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	45	15	2400	2400	CRT	0.24	0.16	648	432	
SUPREMECRT	COURTROOM TYPE F35	4	F432	4-32 W FLUORESCENT FIXTURE	4	LED20HWURKIT	20 WATT LED CONVERSION KIT FOR SUR OR SM	CUSTOM LED KIT TO CONVERT EXISTING FIXTURES	90%	144	20	2400	2400	CRT	0.52	0.45	1382	1190	
SUPREMECRT	DIMMER ON INCANDESCENT	14	DMR1000	DMR1000 ON INCANDESCENT	14	NEWLED60CRKIT	NEW LED 60 WATT RECESSED CAN	LITRON LED 60 WATT RECESSED CAN	90%	0	0	0	0	0	0	0	0	0	0
SUPREMECRT	EMERGENCY TYPE F15	4	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	4	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	0.23	0.14	2032	1191	
SUPREMECRT	EMERGENCY TYPE F27C	2	2X44L78	2X4 4L T8 FIXTURE	2	4D4F16400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	100%	114	52	8760	8760	EM	0.23	0.12	1997	1086	
SUPREMECRT	FILE ROOM TYPE F2	2	2X42L18PARA	2X4 2L T8 FIXTURE PARABOLIC	2	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	3360	3360	COOPY	0.10	0.06	390	228	
SUPREMECRT	FILE ROOM TYPE F2A	25	2X42L18PARA	2X4 2L T8 PARABOLIC	25	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	114	52	3360	3360	COOPY	0.57	0.40	2676	1538	
SUPREMECRT	FILE ROOM TYPE F3B	3	2X44L18PARA	2X4 4L T8 PARABOLIC	3	4D4F16400L	4LT 4FT T8 LED W/6400L DRIVER	4LT 6400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP	90%	114	52	3360	3360	COOPY	0.31	0.17	1149	625	
SUPREMECRT	HALL TYPE F10B	1	F232	2-32 W FLUORESCENT FIXTURE	1	LED20HWCRKIT8"	20 WATT LED REC OR BOX MT TRIM KIT	GE LRX-R8-18-8-40-MD OR EQUAL	100%	72	22	8760	8760	H	0.07	0.05	631	438	
SUPREMECRT	HALL TYPE F10A	10	2X2L6T8	2X2 2L T8 UB ELECTRONIC	10	2D2FTTK12800L	2LT 2FT T8 LED 2800L W/SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	58									

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consists Of	Diversity Factor	Pre Burn Hours	Post Burn Hours	Pre Burn Hours	Post Burn Hours	Hour Group Code	Monthly kWh Saved	Monthly kWh Saved	Existing kWh	Annual kWh Saved
SUPREMECRT	ATTIC TYPE F14A	2	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	2	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2400	2400	STO	0.10	0.07	278	187
SUPREMECRT	SKY TYPE F14B	16	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	16	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.84	0.49	2227	1306
SUPREMECRT	SKY TYPE F14C	8	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2400	2400	STO	0.42	0.24	1114	653
SUPREMECRT	ATTIC TYPE F14D	2	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	2	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2400	2400	STO	0.10	0.07	278	187
SUPREMECRT	ATTIC TYPE F14E	3	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	3	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2400	2400	STO	0.16	0.11	418	284
SUPREMECRT	ATTIC TYPE F14F	4	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	4	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2400	2400	STO	0.14	0.10	374	274
SUPREMECRT	PARKING TYPE F15	114	1X42LT8VPT	1X4 2L T8 VAPOR TIGHT	114	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	GAR	6.61	3.88	57921	33954
SUPREMECRT	PARKING TYPE F5A	9	1X84LT8	1X8 4L T8 FIXTURE	9	4D4FT8400LBNFT	4LT 4FT T8 LED W/8400L DRIVER LINEAR 8FT	4LT 8400 LUMEN DRIVER UNV AND 4-4FT TYPE C LED T8 LAMP TANDER 8 FT FIXTURE	100%	114	52	8760	8760	EM	1.03	0.56	8988	4888
SUPREMECRT	EXTERIOR TYPE F52	2	MH175WP	175W METAL HALIDE WALL PACK	2	NEWLED50WP	50 WATT LED SMALL WALL PACK	NEW 50 WATT LED SMALL WALL PACK	10%	125	30	4380	4380	EXT	0.04	0.03	1866	1426
SUPREMECRT	SENSOR VARIOUS	4	NOPE	NO EXISTING P.E. CONTROL	4	PECONTROL	ADD PE CONTROL FOR EXTERIOR LIGHTS	ALR 120 OR 277 VOLT PE CONTROL CONTRACTOR VERIFY	0%	0	0	0	0	S	0.00	0.00	0	0
SUPREMECRT	SENSOR VARIOUS	4	NOPE	NO EXISTING P.E. CONTROL	4	PECONTROL	NEW PE CONTROLS FOR EXTERIOR LIGHTS	ALR AT-30 OR TORX 3000 PER SPECIFICATIONS	0%	0	0	0	0	S	0.00	0.00	0	0
SUPREMECRT	SENSOR VARIOUS	12	DIMMER	EXIST. DIMMER ON INCANDESCENT	12	DIMMERLED	NEW LED DIMMER SWITCH	LUTRON OR LEVITON DIMMER AS SPECIFIED	0%	0	0	0	0	S	0.00	0.00	0	0
SUPREMECRT	EXTERIOR VARIOUS	6	MH150WP	100W METAL HALIDE WALL PACK	6	NEWLED30WP	30 WATT LED SMALL WALL PACK W/PE	NEW 30 WATT LED SMALL WALL PACK	10%	125	30	4380	4380	EXT	0.08	0.06	3295	2497
SUPREMECRT	EXTERIOR VARIOUS	4	MH250WP	250W METAL HALIDE WALL PACK	4	NEWLED30WP	NEW 80 WATT LED WALL PACK	NEW 80 WATT LED WALL PACK FIXTURE. VERIFY VOLTAGE AND PE	10%	275	80	4380	4380	EXT	0.11	0.08	4918	3416
SUPREMECRT	VARIOUS ITEMS	24	NOLENS	NO EXISTING LENS OR EXIST STING IS BROKEN	24	NEW2X4LENS	NEW 2X4 LENS .125 CUT TO SIZE	ALP .125 2X4 PRISMATIC LENS CUT TO SIZE	0%	0	0	0	0	NO	0.00	0.00	0	0
SUPREMECRT	VARIOUS ITEMS	6	NOLENS	NO EXISTING LENS OR EXIST STING IS BROKEN	6	NEWWRAPLENS	NEW WRAP LENS CUSTOM	ALP CUSTOM WRAP AROUND LENS PER SAMPLE	0%	0	0	0	0	NO	0.00	0.00	0	0
ULLO	HALLS:COMMON AREAS TYPE A/C	8	2X42LLJ	2X4 2L T12 LAY IN	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	6348	6348	H	0.56	0.37	3555	2336
ULLO	HALLS:COMMON AREAS TYPE F	10	2X2U6LL	2X2 2L T12 UR LAY IN	10	2D2FTKT2200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	70	18	6348	6348	H	0.70	0.52	4444	3301
ULLO	HALLS:COMMON AREAS TYPE G	4	INC100LLM	100W INCANDESCENT CEILING MOUNT	4	LED10HWRECKIT6"	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 605 830 WHX6T6 OR EQUAL	100%	100	10	6348	6348	H	0.40	0.38	2539	2285
ULLO	HALLS:COMMON AREAS TYPE H4	12	2X42LLJ	2X4 2L T12 LAY IN	12	2D4FTKT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	140	36	6348	6348	H	1.68	1.25	10665	7922
ULLO	HALLS:COMMON AREAS TYPE X	8	EXITWB	2-20W INC EXIT WBATT	8	NEWLEDWB8	NEW LED EXIT WBATTERY	SURELIGHTS LPX70-RWH	100%	40	2	8760	8760	EM	0.32	0.30	2803	2663
ULLO	HALLS:COMMON EMER A/C OR E	31	2X42LLJ	2X4 2L T12 LAY IN	31	2D4FTKT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	140	36	6348	6348	H	4.34	3.22	27550	20466
ULLO	HALLS:COMMON EMER A/C OR E8	31	2X42LT8	2X4 2L T8 FIXTURE	31	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	6348	6348	H	1.80	1.05	11414	6691
ULLO	HALLS:COMMON EMER H	10	2X42LT8	2X4 2L T8 FIXTURE	10	2D4FTKT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	114	36	8760	8760	EM	1.14	0.78	9986	6833
ULLO	PRIVATE OFFICE TYPE A/C	8	2X42LLJ	2X4 2L T12 LAY IN	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	2678	2678.4	PO	0.50	0.33	1500	996
ULLO	PRIVATE OFFICE TYPE A/C8	8	2X42LT8	2X4 2L T8 FIXTURE	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2678	2678.4	PO	0.42	0.24	1343	729
ULLO	MEETING ROOM TYPE A/C	8	2X42LLJ	2X4 2L T12 LAY IN	8	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2678	2678.4	PO	0.42	0.24	1343	729
ULLO	OPEN OFFICE TYPE A/C	74	2X42LLJ	2X4 2L T12 LAY IN	74	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	6605	6604.8	OO	5.18	3.40	34213	22483
ULLO	OPEN OFFICE TYPE A/C8	74	2X42LT8	2X4 2L T8 FIXTURE	74	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	6605	6604.8	OO	4.29	2.52	28348	16618
ULLO	OPEN OFFICE TYPE H4	10	2X42LLJ	2X4 2L T12 LAY IN	10	2D4FTKT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	140	36	6605	6604.8	OO	1.40	1.04	9947	6869
ULLO	RESTROOM TYPE A/C	8	2X2U6LL	2X2 2L T12 UR LAY IN	8	2D2FTKT2200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	58	19	2400	2400	STO	0.12	0.28	1134	729
ULLO	MECH/ELEC TYPE S8	10	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	10	2D4FT3200L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	3600	3600	MECH	0.52	0.35	2088	1404
ULLO	RESTROOM TYPE A/C	4	2X42LLJ	2X4 2L T12 LAY IN	4	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	4709	4708.8	RR	0.25	0.17	1318	866
ULLO	RESTROOM TYPE B/D	6	2X2U6LL	2X2 2L T12 UR LAY IN	6	2D2FTKT2200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	70	18	4709	4708.8	RR	0.38	0.28	1678	1469
ULLO	RESTROOM TYPE K	4	1X42LWM	1X4 2L WALL MOUNT	4	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	19	4709	4708.8	RR	0.25	0.18	1318	961
ULLO	STAIRS TYPE 7	6	1X42LWM	1X4 2L WALL MOUNT	6	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	19	8760	8760	EM	0.42	0.31	3679	2681
ULLO	HALLS:COMMON AREAS TYPE A/C	13	2X42LLJ	2X4 2L T12 LAY IN	13	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	6348	6348	H	0.91	0.60	5777	3796
ULLO	HALLS:COMMON AREAS TYPE A/C8	13	2X42LT8	2X4 2L T8 FIXTURE	13	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	6348	6348	H	0.75	0.44	4786	2806
ULLO	HALLS:COMMON AREAS TYPE B8	6	2X2U6T8	2X2 2L T8 UB ELECTRONIC	6	2D2FTKT2200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	58	18	6348	6348	H	0.36	0.24	2209	1524
ULLO	HALLS:COMMON EMER A/C OR E	19	2X42LLJ	2X4 2L T12 LAY IN	19	2D4FTKT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	140	36	8760	8760	EM	2.65	1.98	23302	17310
ULLO	HALLS:COMMON AREAS TYPE B	6	2X2U6LL	2X2 2L T12 UB LAY IN	6	2D2FTKT2200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	70	18	6760	6760	EM	0.42	0.31	3679	2733
ULLO	HALLS:COMMON AREAS TYPE X1	8	EXITWB	2-20W INC EXIT WBATT	8	NEWLEDWB8	NEW LED EXIT WBATTERY	SURELIGHTS LPX70-RWH	100%	40	2	8760	8760	EM	0.32	0.30	2803	2663
ULLO	PRIVATE OFFICE TYPE A/C	18	2X42LLJ	2X4 2L T12 LAY IN	18	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	2678	2678.4	PO	1.13	0.75	3375	2218
ULLO	PRIVATE OFFICE TYPE A/C8	18	2X42LT8	2X4 2L T8 FIXTURE	18	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2678	2678.4	PO	0.94	0.56	2796	1636
ULLO	PRIVATE OFFICE TYPE H4	49	2X42LLJ	2X4 2L T12 LAY IN	49	2D4FTKT4800L	2LT 4FT T8 LED 42L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	140	36	2678	2678.4	PO	6.17	4.59	18374	13649
ULLO	PRIVATE OFFICE TYPE H48	15	2X42LT8	2X4 2L T8 FIXTURE	15	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2678	2678.4	PO	1.49	1.02	1439	969
ULLO	MEETING ROOM TYPE A/C	12	2X42LLJ	2X4 2L T12 LAY IN	12	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	2525	2524.8	MTG	0.76	0.50	2121	1394
ULLO	MEETING ROOM TYPE G	6	INC75REC	75W INCANDESCENT RECESSED CAN	6	LED10HWRECKIT6"	10 WATT LED CONVERSION KIT FOR 6 INCH REC	HALO SLD 605 830 WHX6T6 OR EQUAL	100%	67	10	2525	2524.8	MTG	0.36	0.31	1015	863
ULLO	OPEN OFFICE TYPE A/C	63	2X42LLJ	2X4 2L T12 LAY IN	63	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	6605	6604.8	OO	4.41	2.90	29127	19141
ULLO	RESTROOM TYPE B/D	6	2X2U6LL	2X2 2L T12 UR LAY IN	6	2D2FTKT2200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-2FT TYPE C LED T8 LAMP KIT	100%	58	19	2400	2400	STO	0.12	0.28	1134	729
ULLO	STORAGE TYPE B8	8	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	8	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2400	2400	STO	0.42	0.28	1114	749
ULLO	MECH/ELEC TYPE S8	10	1X42LT8	1X4 2L T8 FIXTURE ELECTRONIC	10	2D4FT2400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	3600	3600	MECH	0.52	0.35	2088	1404
ULLO	RESTROOM TYPE A/C	4	2X42LLJ	2X4 2L T12 LAY IN	4	2D4FT3200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	4709	4708.8	RR	0.25	0.17	1318	

Facility Name or Code	Location in Facility	Pre Quantity	Lighting Code (Existing System)	Lighting Description (Existing System)	Post Quantity	Lighting Code (Proposed System)	Lighting Description (Upgraded System)	Consist Of	Diversity Factor	Pre Watts	Post Watts	Pre Burn Hours	Post Burn Hours	Hour Group	Monthly Pre kWh	Monthly Post kWh	Existing kWh	Annual kWh
ULLO	OPEN OFFICE TYPE A8/C8	75	2X42L78	2X4 2L T8 FIXTURE	75	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	6605	6604.8	CO	4.35	2.55	28731	16842
ULLO	OPEN OFFICE TYPE A8/C8	6	2X44L1	2X4 4L T12 LAY IN	6	2D4FTK14800L	2LT 4FT T8 LED 4/2L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	140	36	8305	8304.8	CO	0.84	0.52	5548	4121
ULLO	STORAGE TYPE B	8	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	8	2D4F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2400	2400	STO	0.42	0.28	1114	749
ULLO	MECH/ELEC TYPE S8	10	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	10	2D4F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	3600	3600	MECH	0.52	0.35	2088	1404
ULLO	RESTROOM TYPE A/C	4	2X42L11	2X4 2L T12 LAY IN	4	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	4709	4708.8	RR	0.25	0.17	1318	866
ULLO	RESTROOM TYPE B/D	6	2X2J6L1	2X2 2L T12 U6 LAY IN	6	2D4F12400L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	70	18	4709	4708.8	RR	0.28	0.19	1469	981
ULLO	RESTROOM TYPE K	4	1X42L78	1X4 2L WALL MOUNT	4	2D4F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	19	4709	4708.8	RR	0.25	0.18	1318	961
ULLO	STAIRS TYPE 7	6	1X42L78	1X4 2L WALL MOUNT	6	2D4F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	19	8760	8760	EM	0.42	0.31	3679	2681
ULLO	HALLS/COMMON AREAS TYPE A/C	14	2X42L11	2X4 2L T12 LAY IN	14	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	6348	6348	H	0.98	0.64	6221	4088
ULLO	HALLS/COMMON AREAS TYPE A8/C8	4	2X42L78	2X4 2L T8 FIXTURE	4	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	6348	6348	H	0.23	0.14	1473	863
ULLO	HALLS/COMMON AREAS TYPE B8	4	2X2J6T8	2X2 2L T8 U6 ELECTRONIC	4	2D2FTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	58	18	6348	6348	H	0.23	0.16	1473	1016
ULLO	HALLS/COMMON AREAS TYPE E	24	2X42L11	2X4 2L T12 LAY IN	24	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	6348	6348	H	1.68	1.10	10665	7008
ULLO	HALLS/COMMON AREAS TYPE H	15	1X42L11	1X4 2L T12 LAY IN	15	2D4F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	19	6348	6348	H	1.05	0.77	6655	4856
ULLO	HALLS/COMMON AREAS TYPE B	4	2X42L78	2X4 2L T8 FIXTURE	4	2D4F12400L	2LT 4FT T8 LED 4/2L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	114	36	6348	6348	H	0.46	0.31	2955	1981
ULLO	HALLS/COMMON AREAS TYPE B	4	2X2J6L1	2X2 2L T12 U6 LAY IN	4	2D2FTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	70	18	8760	8760	EM	0.28	0.21	2453	1822
ULLO	HALLS/COMMON AREAS TYPE XI	8	EXITW8	2-20W INC EXIT WBATT	8	NEWLEDWB8	NEW LED EXIT WBATTERY	SURELIGHTS LPX70-RWH	100%	40	2	8760	8760	EM	0.32	0.30	2903	2663
ULLO	HALLS/COMMON EMER A/C OR E	6	2X42L11	2X4 4L T12 LAY IN	6	2D4FTK14800L	2LT 4FT T8 LED 4/2L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	140	36	8760	8760	EM	0.84	0.62	7558	5466
ULLO	HALLS/COMMON EMER A/C OR E	6	2X42L78	2X4 2L T8 FIXTURE	6	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	0.35	0.20	3048	1787
ULLO	PRIVATE OFFICE TYPE A/C	18	2X42L11	2X4 2L T12 LAY IN	18	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	2678	2678.4	PO	1.13	0.75	3375	2218
ULLO	PRIVATE OFFICE TYPE A8/C8	18	2X42L78	2X4 2L T8 FIXTURE	18	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2678	2678.4	PO	0.94	0.58	2796	1839
ULLO	PRIVATE OFFICE TYPE H4	44	2X44L1	2X4 4L T12 LAY IN	44	2D4FTK14800L	2LT 4FT T8 LED 4/2L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	2678	2678.4	PO	5.54	4.12	16499	12256
ULLO	PRIVATE OFFICE TYPE H48	44	2X44L78	2X4 4L T8 FIXTURE	44	2D4FTK14800L	2LT 4FT T8 LED 4/2L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	2678	2678.4	PO	4.51	3.09	13435	9192
ULLO	MEETING ROOM TYPE A/C	6	2X42L11	2X4 2L T12 LAY IN	6	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	2525	2524.8	MTG	0.38	0.25	1060	697
ULLO	MEETING ROOM TYPE B/D	6	INC75REC	75W INCANDESCENT RECESSED CAN	6	LED10HWRECKIT6	10 WATT LED CONVERSION KIT FOR 6 INCH REC	6 HALO SLD 605 830 W/RETR OR EQUAL	90%	58	19	2525	2524.8	MTG	0.34	0.28	1132	749
ULLO	OPEN OFFICE TYPE A/C	44	2X42L11	2X4 2L T12 LAY IN	44	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	6605	6604.8	CO	3.08	2.02	20343	13368
ULLO	OPEN OFFICE TYPE A8/C8	44	2X42L78	2X4 2L T8 FIXTURE	44	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	6605	6604.8	CO	2.55	1.50	16855	9981
ULLO	OPEN OFFICE TYPE H4	6	2X44L1	2X4 4L T12 LAY IN	6	2D4FTK14800L	2LT 4FT T8 LED 4/2L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	140	36	6605	6604.8	CO	0.84	0.62	5548	4121
ULLO	MECH/ELEC TYPE S8	10	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	10	2D4F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2400	2400	STO	0.42	0.28	1114	749
ULLO	RESTROOM TYPE A/C	4	2X42L11	2X4 2L T12 LAY IN	4	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	4709	4708.8	RR	0.25	0.17	1318	866
ULLO	RESTROOM TYPE B/D	6	2X2J6L1	2X2 2L T12 U6 LAY IN	6	2D2FTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	70	18	4709	4708.8	RR	0.38	0.28	1478	1469
ULLO	RESTROOM TYPE K	4	1X42L78	1X4 2L WALL MOUNT	4	2D4F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	19	4709	4708.8	RR	0.25	0.18	1318	961
ULLO	STAIRS TYPE 7	6	1X42L78	1X4 2L WALL MOUNT	6	2D4F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	19	8760	8760	EM	0.42	0.31	3679	2681
ULLO	HALLS/COMMON AREAS TYPE A/C	38	2X42L11	2X4 2L T12 LAY IN	38	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	6348	6348	H	2.66	1.75	16886	11096
ULLO	HALLS/COMMON AREAS TYPE A8/C8	38	2X42L78	2X4 2L T8 FIXTURE	38	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	6348	6348	H	2.20	1.29	13991	8202
ULLO	HALLS/COMMON AREAS TYPE B8	4	2X2J6T8	2X2 2L T8 U6 ELECTRONIC	4	2D2FTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	58	18	6348	6348	H	0.23	0.16	1473	1016
ULLO	HALLS/COMMON EMER H	6	2X44L78	2X4 4L T8 FIXTURE	6	2D4FTK14800L	2LT 4FT T8 LED 4/2L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	114	36	6348	6348	H	0.68	0.47	4342	2971
ULLO	HALLS/COMMON AREAS TYPE B	4	2X2J6L1	2X2 2L T12 U6 LAY IN	4	2D2FTK12200L	2LT 2FT T8 LED 2200L W/ SOCKET KIT U6 TO Z	2LT 2200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	70	18	8760	8760	EM	0.28	0.21	2453	1822
ULLO	HALLS/COMMON AREAS TYPE B	9	2X42L11	2X4 2L T12 LAY IN	9	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	8760	8760	EM	0.61	0.41	5519	3627
ULLO	HALLS/COMMON AREAS TYPE XI	8	EXITW8	2-20W INC EXIT WBATT	8	NEWLEDWB8	NEW LED EXIT WBATTERY	SURELIGHTS LPX70-RWH	100%	40	2	8760	8760	EM	0.32	0.30	2903	2663
ULLO	HALLS/COMMON EMER A/C OR E	6	2X44L1	2X4 4L T12 LAY IN	6	2D4FTK14800L	2LT 4FT T8 LED 4/2L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	140	36	8760	8760	EM	1.12	0.83	9811	7288
ULLO	HALLS/COMMON EMER A/C OR E	6	2X42L78	2X4 2L T8 FIXTURE	6	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	8760	8760	EM	0.35	0.20	3048	1787
ULLO	PRIVATE OFFICE TYPE A/C	54	2X42L11	2X4 2L T12 LAY IN	54	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	2678	2678.4	PO	3.40	2.24	10124	6653
ULLO	PRIVATE OFFICE TYPE A8/C8	54	2X42L78	2X4 2L T8 FIXTURE	54	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	24	2678	2678.4	PO	2.82	1.65	8389	4918
ULLO	PRIVATE OFFICE TYPE H4	60	2X44L1	2X4 4L T12 LAY IN	60	2D4FTK14800L	2LT 4FT T8 LED 4/2L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	140	36	2678	2678.4	PO	7.56	5.62	22499	15713
ULLO	PRIVATE OFFICE TYPE H48	60	2X44L78	2X4 4L T8 FIXTURE	60	2D4FTK14800L	2LT 4FT T8 LED 4/2L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	90%	114	36	2678	2678.4	PO	6.16	4.21	18320	12535
ULLO	MEETING ROOM TYPE A/C	6	2X42L11	2X4 2L T12 LAY IN	6	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	70	24	2525	2524.8	MTG	1.13	0.75	3181	2091
ULLO	MEETING ROOM TYPE B/D	6	INC75REC	75W INCANDESCENT RECESSED CAN	6	LED10HWRECKIT6	10 WATT LED CONVERSION KIT FOR 6 INCH REC	6 HALO SLD 605 830 W/RETR OR EQUAL	90%	67	10	2525	2524.8	MTG	0.36	0.31	1015	863
ULLO	OPEN OFFICE TYPE A/C	18	2X42L11	2X4 2L T12 LAY IN	18	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	70	24	6605	6604.8	CO	1.26	0.83	6322	5469
ULLO	OPEN OFFICE TYPE A8/C8	18	2X42L78	2X4 2L T8 FIXTURE	18	2D4F13200L	2LT 4FT T8 LED W/3200L DRIVER	2LT 3200 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	100%	58	24	6605	6604.8	CO	1.04	0.61	6995	4042
ULLO	OPEN OFFICE TYPE H4	6	2X44L1	2X4 4L T12 LAY IN	6	2D4FTK14800L	2LT 4FT T8 LED 4/2L KIT W/4800L DRIVER	2LT 4800 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP KIT	100%	140	36	6605	6604.8	CO	0.84	0.62	5548	4121
ULLO	STORAGE TYPE B	8	1X42L78	1X4 2L T8 FIXTURE ELECTRONIC	8	2D4F12400L	2LT 4FT T8 LED W/2400L DRIVER	2LT 2400 LUMEN DRIVER UNV AND 2-4FT TYPE C LED T8 LAMP	90%	58	19	2400	2400	STO	0.42	0.28	1114	749
ULLO	MECH/ELEC TYPE S8	10	1X42L78															

DOMESTIC PLUMBING FIXTURE WATER SAVINGS CALCULATION SHEET

Expand 1st "*" button for Assumptions.

Expand 2nd "*" button for Water Balancing

Building Name(s)

			First Circuit Court of Appeal			LaSalle Building			Brandywine State Office Buildings			Second Circuit Court of Appeal		
Building Information & Water Balancing														
B1	Input of building square footage	Square Footage	75,349			364,699			92,238			37,169		
B2	Obtained from billing information	Metered Water Use in gallons	3,567,960			623,084			4,912,100			607,000		
B3		Metered Water Use in kgal	3,568			623			4,912			607		
B4		Metered Water Use in CCF	4,769			833			6,566			811		
DWB	Transferred from calculations below	Consumption Modeled as Domestic	1,221,066			3,438,326			657,391			366,671		
DWB%	= DWB / B2	Percent of Consumption Modeled as Domestic	34.2%			55.8%			13.4%			60.4%		
NDWB	Transferred from other calculation sheets in workbook	Consumption Modeled as Non-Domestic	0			153,826			1,805,426			1,183		
NDWB%	= NDWB / B2	Percent of Consumption Modeled as Non-Domestic	0.0%			24.7%			36.8%			0.2%		
WB%	= (DWB + NDWB) / B2	Percent of Consumption Modeled Total	34.2%			57.6%			50.1%			60.6%		
Population Demographics														
Variable Name Formula or explanation			Population Categories			Staff	Visitors	Misc.	Staff	Visitors	Misc.	Staff	Visitors	Misc.
PD1	Total category population	Average hourly population	218	300	0	1242	20	0	200	100	0	62	180	0
PD2	Percent of total population that is male	Population % that is male	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
PD3	= PD1 x (100% - PD2)	Female population	109	150	0	621	10	0	100	50	0	31	90	0
PD4	= PD1 x PD2	Male population	109	150	0	621	10	0	100	50	0	31	90	0
PD5	Average hours per day of occupation	Average hours per day occupied	8	2	12	8	2	12	8	2	12	8	2	12
PD6	Average days per year of occupation	Average days per year occupied	250	250	150	250	250	150	250	250	150	250	250	150
PD7	Input Yes or No to vary calculation for shower, lav., and kitchen faucet	Residential (Yes or No)	No	No	No	No	No	No	No	No	No	No	No	No
Domestic Use Factors														
UF1	The % of time toilets are flushed after use	Flush Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
UF2	This factor will decrease urinal use if appropriate	% of Urinals Available to Males	25%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
UF3	This factor will decrease lavatory use if appropriate	Lavatory Use Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
UF4	This factor will decrease kitchen/general purpose faucet use if appropriate	Kitchen/General Purpose Faucet Use Factor	30%	10%	0%	30%	10%	0%	30%	10%	0%	30%	10%	0%
UF5	This factor will decrease shower use if appropriate	Shower Use Factor	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%
Domestic Average Flowrates - Baseline														
TFPre		Toilet flowrate - gpf	4.03			2.83			3.23			4.03		
UFPre	Weighted averages obtained from investment grade water audit inspections.	Urinal flowrate - gpf	1.84			1.29			1.04			1.00		
LFPre		Lavatory flowrate - gpm	1.73			2.13			1.89			1.21		
KFPre		Kitchen/General Purpose Faucet flowrate - gpm	2.04			1.93			2.11			1.58		
SFPre		Shower flowrate - gpm	0.00			0.00			0.00			2.50		
Domestic Average Flowrates - Proposed														
TFPost		Toilet flowrate - gpf	1.16			1.28			1.28			1.26		
UFPost	Weighted averages based on proposed installations/ retrofits obtained from investment grade audit inspections.	Urinal flowrate - gpf	0.125			0.125			0.125			0.125		
LFPost		Lavatory flowrate - gpm	0.50			0.50			0.50			0.53		
KFPost		Kitchen/General Purpose Faucet flowrate - gpm	1.00			1.00			1.00			1.00		
SFPost		Shower flowrate - gpm	0.00			0.00			0.00			2.50		
Domestic Savings Calculation Sheet - Domestic Calculations														
Formula Code	Formula or explanation	Line Information	Staff	Visitors	Misc.	Staff	Visitors	Misc.	Staff	Visitors	Misc.	Staff	Visitors	Misc.
Usage Calculations - Pre Program														
UCPre1	= wtu x PD3 x PD5 x UF1	Female number of toilet flushes per day	436	150	0	2,484	10	0	400	50	0	124	90	0
UCPre2	= mtu x PD4 x PD5 xUF1	Male number of total flushes per day	436	150	0	2,484	10	0	400	50	0	124	90	0
UCPre3	= (UCPre2 x (100% - UF2)) + (mpt x UCPre2 x UF2)	Male number of toilet flushes per day	354	38	0	621	3	0	100	13	0	31	23	0
UCPre4	= mpu x UCPre2 x UF2	Male number of urinal flushes per day	82	113	0	1,863	8	0	300	38	0	93	68	0
UCPre5	= ((IF(PD7="Yes", PD3 + PD4, UCPre1 + UCPre2)) x UF3	Lavatory number of uses per day	872	300	0	4,968	20	0	800	100	0	248	180	0
UCPre6	= ((IF(PD7="Yes", lavpost, lav)) x UCPre5	Lavatory number of minutes used per day	87	30	0	497	2	0	80	10	0	25	18	0
UCPre7	= (PD3 + PD4) x UF4	Kitchen/General Purpose Faucet number of uses per day	65	30	0	373	2	0	60	10	0	19	18	0
UCPre8	= ((IF(PD7="Yes", kitpost, kit)) x UCPre7	Kitchen/General Purpose Faucet number of minutes used per day	131	60	0	745	4	0	120	20	0	37	36	0
UCPre9	= (PD3 + PD4) x UF5	Shower number of uses per day	0	0	0	0	0	0	0	0	0	3	0	0
UCPre10	= ((IF(PD7="Yes", shprepost, sho)) x UCPre9	Shower number of minutes used per day	0	0	0	0	0	0	0	0	0	25	0	0
Annual Consumption Calculations - Pre Program														
ACPre1	= (UCPre1 + UCPre3) x TFPre x PD6	Toilet consumption per year (gal/yr)	795,189	188,672	0	2,200,184	8,857	0	403,362	50,420	0	155,969	113,203	0
ACPre2	= UCPre4 x UFPre x PD6	Urinal consumption per year (gal/yr)	37,605	51,950	0	598,821	2,411	0	77,679	9,910	0	23,250	16,875	0
ACPre3	= UCPre6 x LFPre x PD6	Lavatory consumption per year (gal/yr)	37,605	12,938	0	264,873	1,066	0	37,714	4,714	0	7,474	5,425	0
ACPre4	= UCPre8 x KFPre x PD6	Kitchen/General Purpose faucet consumption per year (gal/yr)	66,708	30,600	0	360,180	1,933	0	63,250	10,542	0	14,725	14,250	0
ACPre5	= UCPre10 x SFPre x PD6	Shower consumption per year (gal/yr)	0	0	0	0	0	0	0	0	0	15,500	0	0
Usage Calculations - Post Program														
UCPost1	= UCPre1	Female number of toilet flushes per day	436	150	0	2,484	10	0	400	50	0	124	90	0
UCPost2	= UCPre2	Male number of total flushes per day	436	150	0	2,484	10	0	400	50	0	124	90	0
UCPost3	= UCPre3	Male number of toilet flushes per day	354	38	0	621	3	0	100	13	0	31	23	0
UCPost4	= UCPre4	Male number of urinal flushes per day	82	113	0	1,863	8	0	300	38	0	93	68	0
UCPost5	= ((IF(PD7="Yes", PD3 + PD4, UCPost1 + UCPost2)) x UF3	Lavatory number of uses per day	872	300	0	4,968	20	0	800	100	0	248	180	0
UCPost6	= ((IF(PD7="Yes", lavpost, lav)) x UCPost5	Lavatory number of minutes used per day	87	30	0	497	2	0	80	10	0	25	18	0
UCPost7	= (PD3 + PD4) x UF4	Kitchen/General Purpose Faucet number of uses per day	65	30	0	373	2	0	60	10	0	19	18	0
UCPost8	= ((IF(PD7="Yes", kitpost, kit)) x UCPost7	Kitchen/General Purpose Faucet number of minutes used per day	131	60	0	745	4	0	120	20	0	37	36	0
UCPost9	= (PD3 + PD4) x UF5	Shower number of uses per day	0	0	0	0	0	0	0	0	0	3	0	0
UCPost10	= ((IF(PD7="Yes", shpost, sho)) x UCPost9	Shower number of minutes used per day	0	0	0	0	0	0	0	0	0	25	0	0
Annual Consumption Calculations - Post Program														
ACPost1	= (UCPost1 + UCPost3) x TFPost x PD6	Toilet consumption per year (gal/yr)	229,943	54,558	0	993,600	4,000	0	160,000	20,000	0	48,825	35,438	0
ACPost2	= UCPost4 x UFPost x PD6	Urinal consumption per year (gal/yr)	2,555	3,516	0	58,219	234	0	9,375	1,172	0	2,906	2,109	0
ACPost3	= UCPost6 x LFPost x PD6	Lavatory consumption per year (gal/yr)	10,900	3,750	0	62,100	250	0	10,000	1,250	0	3,272	2,375	0
ACPost4	= UCPost8 x KFPost x PD6	Kitchen/General Purpose faucet consumption per year (gal/yr)	32,700	15,000	0	186,300	1,000	0	30,000	5,000	0	9,300	9,000	0
ACPost5	= UCPost10 x SFPost x PD6	Shower consumption per year (gal/yr)	0	0	0	0	0	0	0	0	0	15,500	0	0
Building Domestic Subtotals - Consumption (Pre-Program)														
DCPre1	= sum of categories for ACPre1	Toilet consumption per year (gal/yr)	983,861			2,209,041			453,782			269,172		
DCPre2	= sum of categories for ACPre2	Urinal consumption per year (gal/yr)	89,355			601,232			87,388			40,125		
DCPre3	= sum of categories for ACPre3	Lavatory consumption per year (gal/yr)	50,543			265,938			42,429			12,899		
DCPre4	= sum of categories for ACPre4	Kitchen/General Purpose faucet consumption per year (gal/yr)	97,308			362,113			73,792			28,975		
DCPre5	= sum of categories for ACPre5	Shower consumption per year (gal/yr)	0			0			0			15,500		
DCPreTotal	= DCPre1 + DCPre2 + DCPre3 + DCPre4 + DCPre5	TOTAL DOMESTIC CONSUMPTION PRE-PROGRAM (gal/yr)	1,221,066			3,438,326			657,391			366,671		
Building Domestic Subtotals - Consumption (Post-Program)														
DCPost1	= sum of categories for ACPost1	Toilet consumption per year (gal/yr)	284,501			997,600			180,000			84,263		
DCPost2	= sum of categories for ACPost2	Urinal consumption per year (gal/yr)	6,070			58,453			10,547			5,016		
DCPost3	= sum of categories for ACPost3	Lavatory consumption per year (gal/yr)	14,650			62,350			11,250			5,647		
DCPost4	= sum of categories for ACPost4	Kitchen/General Purpose faucet consumption per year (gal/yr)	47,700			187,300			35,000			18,300		
DCPost5	= sum of categories for ACPost5	Shower consumption per year (gal/yr)	0			0			0			15,500		
DCPostTotal	= DCPost1 + DCPost2 + DCPost3 + DCPost4 + DCPost5	TOTAL DOMESTIC CONSUMPTION POST-PROGRAM (gal/yr)	352,922			1,305,703			236,797			128,725		
Building Domestic Subtotals - Consumption Savings														
DCSav1	= DCPre1 - DCPost1	Toilet savings per year (gal/yr)	699,360			1,211,441			273,782			184,909		
DCSav2	= DCPre2 - DCPost2	Urinal savings per year (gal/yr)	83,285			542,779			76,842			35,109		
DCSav3	= DCPre3 - DCPost3	Lavatory savings per year (gal/yr)	35,893			203,589			31,179			7,252		
DCSav4	= DCPre4 - DCPost4	Kitchen/General Purpose faucet savings per year (gal/yr)	49,608			174,813			38,972			10,675		
DCSav5	= DCPre5 - DCPost5	Shower savings per year (gal/yr)	0			0			0			0		
DCSavTotal	= DCSav1 + DCSav2 + DCSav3 + DCSav4 + DCSav5	TOTAL DOMESTIC SAVINGS (gal/yr)	868,145			2,132,623			420,594			237,946		

STATE RESPONSIBILITIES

In order for BREP to perform its obligations under this Agreement with respect to the Work and Services described herein, the State shall be responsible for:

1. Providing BREP, its subcontractors, and its agents reasonable and safe access to all facilities and properties that are subject to the Work and/or Services;
2. Providing for shut down and scheduling of affected locations during installation, including timely shutdowns of chilled water and hot water systems as needed to accomplish the Work and/or Services;
3. Providing timely reviews and approvals of design submissions, proposed change orders, and other Project documents;
4. Providing space for material storage, dumpsters, and BREP's jobsite office/trailer during construction.
5. Providing BREP with a punchlist within fifteen (15) calendar days of BREP's notification that a specific Energy Optimization Improvement measure is complete in a respective Covered Facility.
6. Providing the following information, to the extent the information exists and it is in the State's possession, with respect to the Project and Project Site as soon as practicable following BREP's request:
 - surveys describing the property, boundaries, topography and reference points for use during performance of the Work, including existing service and Utility lines;
 - geotechnical studies describing subsurface conditions, and other surveys describing other latent or concealed physical conditions at the Project Site;
 - temporary and permanent easements, zoning and other requirements and encumbrances affecting land use, or necessary to permit the proper design and construction of the project and enable BREP to perform the Work;
 - a legal description of the Project Site;
 - as-built and record drawings of any existing structures at the Project Site; and
 - environmental studies, reports and impact statement describing the Environmental Conditions, including Hazardous Materials or conditions, in existence at the Project Site.
7. Securing and executing all necessary agreements with adjacent land or property owners that are necessary to enable BREP to perform the Work;
8. Providing assistance to BREP in obtaining any permits, approvals, and licenses that are BREP's responsibility to obtain as set forth in in the Scope of Work;
9. Obtaining any permits, approvals, and licenses that are necessary for the performance of the Work and are not BREP's responsibility to obtain as set forth in Scope of Work;
10. Properly maintaining, and performing appropriate preventative maintenance on, all equipment and building systems affecting the Services in accordance with manufacturers' standards and specifications;
11. Providing the Public Services Invoices, reports, and similar information reasonably necessary for administering BREP's obligations under the Services within thirty (30) days of the State's receipt and/or generation or BREP's request therefor;
12. Providing all records relating to energy and/or water usage and related maintenance of the premises and relevant equipment requested by BREP;

13. Providing and installing utility sub-Utility Meters on all new construction and/or additions built during the Term as recommended by BREP;
14. Providing and maintaining a remote connection to facilitate remote monitoring of relevant equipment to BREP, where allowed by the Office of Telecommunication Services;
15. Promptly notifying BREP of any change in use or condition or any other matter that may impact the Services;
16. If any equipment under control is changed out by the State it is the responsibility of the State to move the controls and the controls programming to the Future Equipment.

COVERED FACILITIES

Covered Facilities	Facility Location
State Capitol	Baton Rouge
Capitol Annex	Baton Rouge
Pentagon Barracks	Baton Rouge
OSB Service Center	Baton Rouge
Information Services Building	Baton Rouge
Livingston Building	Baton Rouge
Poydras Building	Baton Rouge
First Circuit Court of Appeal	Baton Rouge
Claiborne Building	Baton Rouge
Welcome Center	Baton Rouge
State Museum	Baton Rouge
State Library	Baton Rouge
LaSalle Building	Baton Rouge
Iberville Building	Baton Rouge
Bienville Building	Baton Rouge
Galvez Building	Baton Rouge
Governor's Mansion	Baton Rouge
OPH Lab	Baton Rouge
Claiborne Garage	Baton Rouge
LaSalle Garage	Baton Rouge
Galvez Garage	Baton Rouge
Welcome Center Garage	Baton Rouge
Central Plant-South	Baton Rouge
Central Plant-North	Baton Rouge
State Supreme Court	New Orleans
Sen. Chris Ullo Building	Harvey
Brandywine State Office Buildings	Lafayette
Alexandria State Office Building	Alexandria
Shreveport State Office Building	Shreveport
Second Circuit Court of Appeal	Shreveport
NELSOB	Monroe

PRICE AND PAYMENT TERMS

For the provision of the Work under this Agreement, the State shall pay to BREP the following amounts for each applicable Billing Month:

Year	OSB Annual Facility Optimization Services Agreement Charge (\$)	OSB Monthly Facility Optimization Services Agreement Charge (\$)
1	390,000	32,500
2	1,703,500	141,958
3	2,277,650	189,804
4	2,340,741	195,062
5	2,405,579	200,465
6	2,472,214	206,018
7	2,540,694	211,725
8	2,611,072	217,589
9	2,683,398	223,617
10	2,757,728	229,811
11	2,834,117	236,176
12	2,912,622	242,719
13	2,993,302	249,442
14	3,076,217	256,351
15	3,161,428	263,452
16	3,248,999	270,750
17	3,338,997	278,250
18	3,431,487	285,957
19	3,526,539	293,878
20	3,624,224	302,019
Total	54,330,509	N/A

BREP will deliver an invoice for the above-referenced charges no later than the first (1st) day of each Billing Month to the e-mail address for notice set forth in Section 41 of this Agreement. The Work and Services performed by BREP will be billed in advance.

The Parties acknowledge and agree that the above-referenced charges during each Service Year will be at least the aggregate amounts specified above, and may not be reduced or offset in any way during such Service Year, and may be prorated for any partial month periods.

The State will pay or cause to be paid the above-referenced charges no later than the tenth (10th) day following the first day of each calendar month by delivering immediately available funds to the Lockbox. Payment of the charges will not be conditioned upon the State's receipt of an invoice or any other notice by BREP, and the State's obligation to timely and fully pay the charges will not be excused or affected as a result of BREP's failure to timely send the State such invoices or notices.

TERMINATION

The following tables set forth the fees that will be payable by the State to BREP in the event of termination of the Phase I Facility Optimization Services Agreement. Initially capitalized terms used in this **Schedule 4** and not defined in Section 20 to the Phase I Facility Optimization Services Agreement or **Exhibit “A”** to the CEA shall have the meanings ascribed at the end of this **Schedule 4**.

Schedule	Description
1	Termination by State for Cause
2	Termination by BREP for Cause
3	Termination by the State for Convenience
4	Termination by State for Necessity
5	FOSA Termination Costs

Schedule 1 – Termination by State for Cause

Service Year	Estimated Notes Pay-Off Amount (\$)	Estimated BREP Reimbursement to State of the Make-Whole Amount (\$)	Estimated BREP Reimbursement to State of the Unearned Facility Optimization Services Amount (\$)	Total Estimated Termination Cost (\$)
1	33,052,688	(7,371,212)	(21,464,141)	4,217,336
2	34,167,622	(7,000,433)	(5,300,000)	21,867,189
3	33,869,384	(6,592,153)	0	27,277,232
4	32,971,789	(6,160,084)	0	26,811,705
5	31,979,421	(5,716,081)	0	26,263,340
6	30,890,854	(5,264,931)	0	25,625,922
7	29,702,731	(4,809,882)	0	24,892,849
8	28,410,540	(4,353,437)	0	24,057,103
9	27,006,529	(3,895,300)	0	23,111,230
10	25,486,438	(3,439,127)	0	22,047,311
11	23,845,991	(2,989,052)	0	20,856,939
12	22,080,878	(2,549,690)	0	19,531,188
13	20,184,179	(2,123,598)	0	18,060,581
14	18,151,317	(1,716,255)	0	16,435,062
15	15,977,288	(1,333,328)	0	14,643,960
16	13,660,830	(984,878)	0	12,675,952
17	11,196,092	(677,063)	0	10,519,029
18	8,576,892	(416,439)	0	8,160,452
19	5,798,623	(211,910)	0	5,586,714
20	2,854,234	(70,744)	0	2,783,490

Schedule 2 – Termination by BREP for Cause

Service Year	Estimated Notes Pay-Off Amount (\$)	FOSA Termination Cost (\$)	Total Estimated Termination Cost (\$)
1	33,052,688	4,020,000	37,072,688
2	34,167,622	3,900,000	38,067,622
3	33,869,384	3,800,000	37,669,384
4	32,971,789	3,600,000	36,571,789
5	31,979,421	3,500,000	35,479,421
6	30,890,854	3,400,000	34,290,854
7	29,702,731	3,350,000	33,052,731
8	28,410,540	3,300,000	31,710,540
9	27,006,529	3,250,000	30,256,529
10	25,486,438	3,150,000	28,636,438
11	23,845,991	2,900,000	26,745,991
12	22,080,878	2,600,000	24,680,878
13	20,184,179	2,450,000	22,634,179
14	18,151,317	2,215,000	20,366,317
15	15,977,288	1,900,000	17,877,288
16	13,660,830	1,750,000	15,410,830
17	11,196,092	1,515,000	12,711,092
18	8,576,892	1,250,000	9,826,892
19	5,798,623	1,050,000	6,848,623
20	2,854,234	1,030,000	3,884,234

Schedule 3 – Termination by State for Convenience

Service Year	Estimated Notes Pay-Off Amount (\$)	Estimated BREP Reimbursement to State of the Unearned Facility Optimization Services Amount (\$)	FOSA Termination Cost (\$)	Total Estimated Termination Cost (\$)
1	33,052,688	(21,464,141)	4,020,000	15,608,547
2	34,167,622	(5,300,000)	3,900,000	32,767,622
3	33,869,384	0	3,800,000	37,669,384
4	32,971,789	0	3,600,000	36,571,789
5	31,979,421	0	3,500,000	35,479,421
6	30,890,854	0	3,400,000	34,290,854
7	29,702,731	0	3,350,000	33,052,731
8	28,410,540	0	3,300,000	31,710,540
9	27,006,529	0	3,250,000	30,256,529
10	25,486,438	0	3,150,000	28,636,438
11	23,845,991	0	2,900,000	26,745,991
12	22,080,878	0	2,600,000	24,680,878
13	20,184,179	0	2,450,000	22,634,179
14	18,151,317	0	2,215,000	20,366,317
15	15,977,288	0	1,900,000	17,877,288
16	13,660,830	0	1,750,000	15,410,830
17	11,196,092	0	1,515,000	12,711,092
18	8,576,892	0	1,250,000	9,826,892
19	5,798,623	0	1,050,000	6,848,623
20	2,854,234	0	1,030,000	3,884,234

Schedule 4 – Termination by State for Necessity

Service Year	Estimated Notes Pay-Off Amount (\$)	FOSA Termination Cost (\$)	Estimated BREP Reimbursement to State of the Unearned Facility Optimization Services Amount (\$)	Total Estimated Termination Cost (\$)
1	33,052,688	2,010,000	(21,464,141)	13,598,547
2	34,167,622	1,950,000	(5,300,000)	30,817,622
3	33,869,384	1,900,000	0	35,769,384
4	32,971,789	1,800,000	0	34,771,789
5	31,979,421	1,750,000	0	33,729,421
6	30,890,854	1,700,000	0	32,590,854
7	29,702,731	1,675,000	0	31,377,731
8	28,410,540	1,650,000	0	30,060,540
9	27,006,529	1,625,000	0	28,631,529
10	25,486,438	1,575,000	0	27,061,438
11	23,845,991	1,450,000	0	25,295,991
12	22,080,878	1,300,000	0	23,380,878
13	20,184,179	1,225,000	0	21,409,179
14	18,151,317	1,107,500	0	19,258,817
15	15,977,288	950,000	0	16,927,288
16	13,660,830	875,000	0	14,535,830
17	11,196,092	757,500	0	11,953,592
18	8,576,892	625,000	0	9,201,892
19	5,798,623	525,000	0	6,323,623
20	2,854,234	515,000	0	3,369,234

Schedule 5 – FOSA Termination Cost

Service Year	FOSA Termination Cost (\$)
1	4,020,000
2	3,900,000
3	3,800,000
4	3,600,000
5	3,500,000
6	3,400,000
7	3,350,000
8	3,300,000
9	3,250,000
10	3,150,000
11	2,900,000
12	2,600,000
13	2,450,000
14	2,215,000
15	1,900,000
16	1,750,000
17	1,515,000
18	1,250,000
19	1,050,000
20	1,030,000

Any amounts owed by BREP to the State set forth in this Schedule 4 (either directly or as reimbursement) shall be due and payable within five (5) Business Days after the State has paid all amounts owed by the State to BREP's Financier or BREP, as applicable.

DEFINITIONS:

- a. "FOSA Termination Cost" means the BREP opportunity cost (loss of potential gain from investing its development efforts and equity in the Facility Optimization Services Agreement, instead of other opportunities) caused by the termination of the Facility Optimization Services Agreement prior to the Expiry Date. The FOSA Termination Cost is equal to the amount indicated in Schedule 5 of this Schedule 4, with the exception of Termination by State for Necessity for which the FOSA Termination Cost is equal to 50% of the amount indicated in Schedule 5 of this Schedule 4.
- b. "Make Whole Amount" means, with respect to any BREP Note, an amount equal to the excess, if any, of the Discounted Value of the Remaining Scheduled Payments with respect to the Called Principal over the amount of such Called Principal; provided, that the Make Whole Amount may in no event be less than zero dollars (\$0). Below are the defined components of the Make Whole Amount.
 - i. "BREP Note Purchase Agreement" means the Note Purchase Agreement entered into between BREP, BREP Parent and BREP's Financier contemporaneously with this Agreement. In the event of a refinancing by BREP and BREP Parent, the term "BREP Note

Purchase Agreement” will refer to any note purchase, loan or similar agreement entered into pursuant to that refinancing.

- ii. “BREP Notes” means the senior secured notes of BREP issued and sold to BREP’s Financier pursuant to the provisions of the BREP Note Purchase Agreement. In the event of a refinancing, the term “BREP Notes” will mean the notes or other evidence of indebtedness issued pursuant to the replacement of the BREP Note Purchase Agreement.
- iii. “Called Principal” means, with respect to any BREP Note, the principal of such BREP Note that is to be prepaid or has become or is declared to be immediately due and payable pursuant to the provisions of the BREP Note Purchase Agreement.
- iv. “Discounted Value” means, with respect to the Called Principal of any BREP Note, the amount obtained by discounting all Remaining Scheduled Payments with respect to such Called Principal from their respective scheduled due dates to the Settlement Date with respect to such Called Principal, in accordance with accepted financial practice and at a discount factor (applied on the same periodic basis as that on which interest on the BREP Notes is payable) equal to the Reinvestment Yield with respect to such Called Principal.
- v. “Reinvestment Yield” means, with respect to the Called Principal of any BREP Note, the sum of (a) 0.50% plus (b) the yield to maturity implied by the “Ask Yield” reported as of 10:00 a.m. (New York City time) on the second Business Day (as defined in the BREP Note Purchase Agreement” preceding the Settlement Date with respect to such Called Principal, on the display designed as “Page PX1” (or such other display as may replace Page PX1) on Bloomberg Financial Markets for the most recently issued actively traded on-the-run U.S. Treasury securities (“Reported”) having a maturity equal to the Remaining Average Life of such Called Principal as of such Settlement Date. If there are no such U.S. Treasury securities Reported having a maturity equal to such Remaining Average Life, then such implied yield to maturity will be determined by (i) converting U.S. Treasury bill quotations to bond equivalent yields in accordance with accepted financial practice and (ii) interpolating linearly between the “Ask Yields” Reported for the applicable most recently issued and actively traded on-the-run U.S. Treasury securities with maturities (1) closest to and greater than such Remaining Average Life and (2) closest to and less than such Remaining Average Life. The Reinvestment Yield shall be rounded to the number of decimal places as appears in the interest rate of the applicable BREP Note.

If such yields are not Reported or the yields Reported as of such time are not ascertainable (including by way of interpolation), then “Reinvestment Yield” means, with respect to the Called Principal of any BREP Note, the sum of (x) 0.50% plus (y) the yield to maturity implied by the U.S. Treasury constant maturity yields reported, for the latest day for which such yields have been so reported as of the second Business Day (as defined in the BREP Note Purchase Agreement) preceding the Settlement Date with respect to such Called Principal, in Federal Reserve Statistical Release H.15 (or any comparable successor publication) for the U.S. Treasury constant maturity having a term equal to the Remaining Average Life of such Called Principal as of such Settlement Date. If there is no such U.S. Treasury constant maturity having a term equal to such Remaining Average Life, such implied yield to maturity will be determined by interpolating linearly between (1) the U.S. Treasury constant maturity so reported with the term closest to and greater than such Remaining Average Life and (2) the U.S. Treasury constant maturity so reported with the

term closest to and less than such Remaining Average Life. The Reinvestment Yield shall be rounded to the number of decimal spaces as appears in the interest rate of the applicable BREP Note.

- vi. “Remaining Average Life” means, with respect to any Called Principal, the number of years obtained by dividing (i) such Called Principal into (ii) the sum of the products obtained by multiplying (a) the principal component of each Remaining Scheduled Payment with respect to such Called Principal by (b) the number of years, computed on the basis of a three hundred sixty (360)-day year comprised of twelve (12) thirty (30)-day months and calculated to two (2) decimal places, that will elapse between the Settlement Date with respect to such Called Principal and the scheduled due date of such Remaining Scheduled Payment.
- vii. “Remaining Scheduled Payments” means, with respect to the Called Principal of any BREP Note, all payments of such Called Principal and interest thereon that would be due after the Settlement Date with respect to such Called Principal if no payment of such Called Principal were made prior to its scheduled due date, provided that is such Settlement Date is not a date on which interest payments are due to be made under the BREP Notes, then the amount of the next succeeding scheduled interest payment will be reduced by the amount of interest accrued to such Settlement Date and required to be paid on such Settlement Date pursuant to the provisions of the BREP Note Purchase Agreement.
- viii. “Settlement Date” means, with respect to the Called Principal of any BREP Note, the date on which such Called Principal is to be prepaid or has become or is declared to be immediately due and payable pursuant to the provisions of the BREP Note Purchase Agreement.
- c. “Notes Pay-Off Amount” means the Called Principal, interest (including any default interest), Make-Whole Amount and any fees, costs and other liabilities of BREP due and owing to BREP’s Financier pursuant to the terms of BREP Note Purchase Agreement.
- d. “Unearned Facility Optimization Services Amount” is equal to the cost of completing the remainder of the Facility Optimization Services, i.e. the portion of the Facility Optimization Services that is incomplete as of the Termination Date.